

Figure 1A

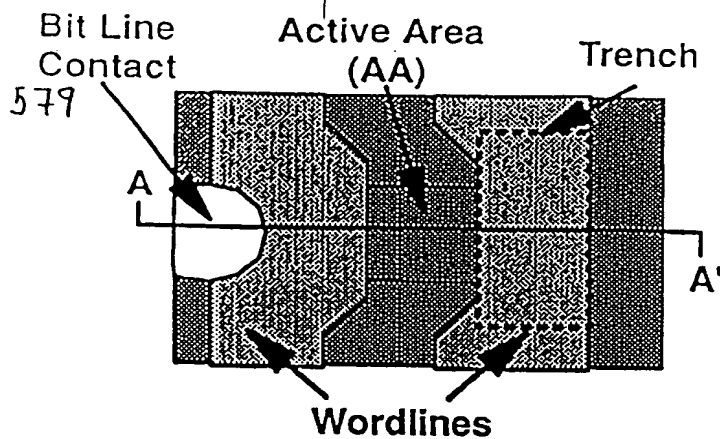


Figure 1B

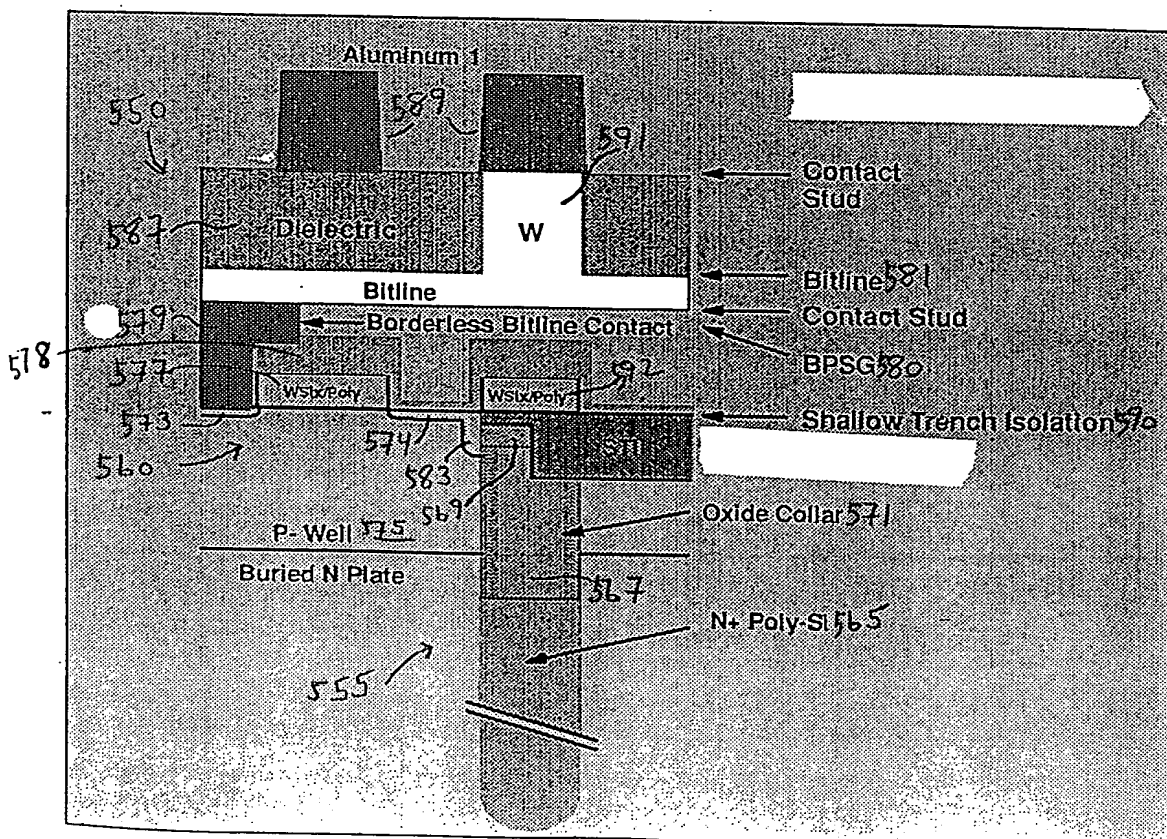
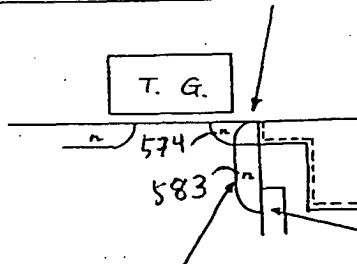


Figure 2A

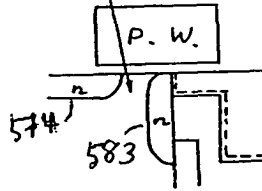
Effect Of SN Junction On T. G.



BS Junction Leak
Caused By Defects, Stress & Interface

Figure 2B

Discontinuity Of XA-SN By P. W.



Defects & Stress Caused By
AA Ox & Collar Ox Volume Expansion
At DT-AA Intersection
@ AA Ox, Sac. Ox, Gate Ox, SW Ox

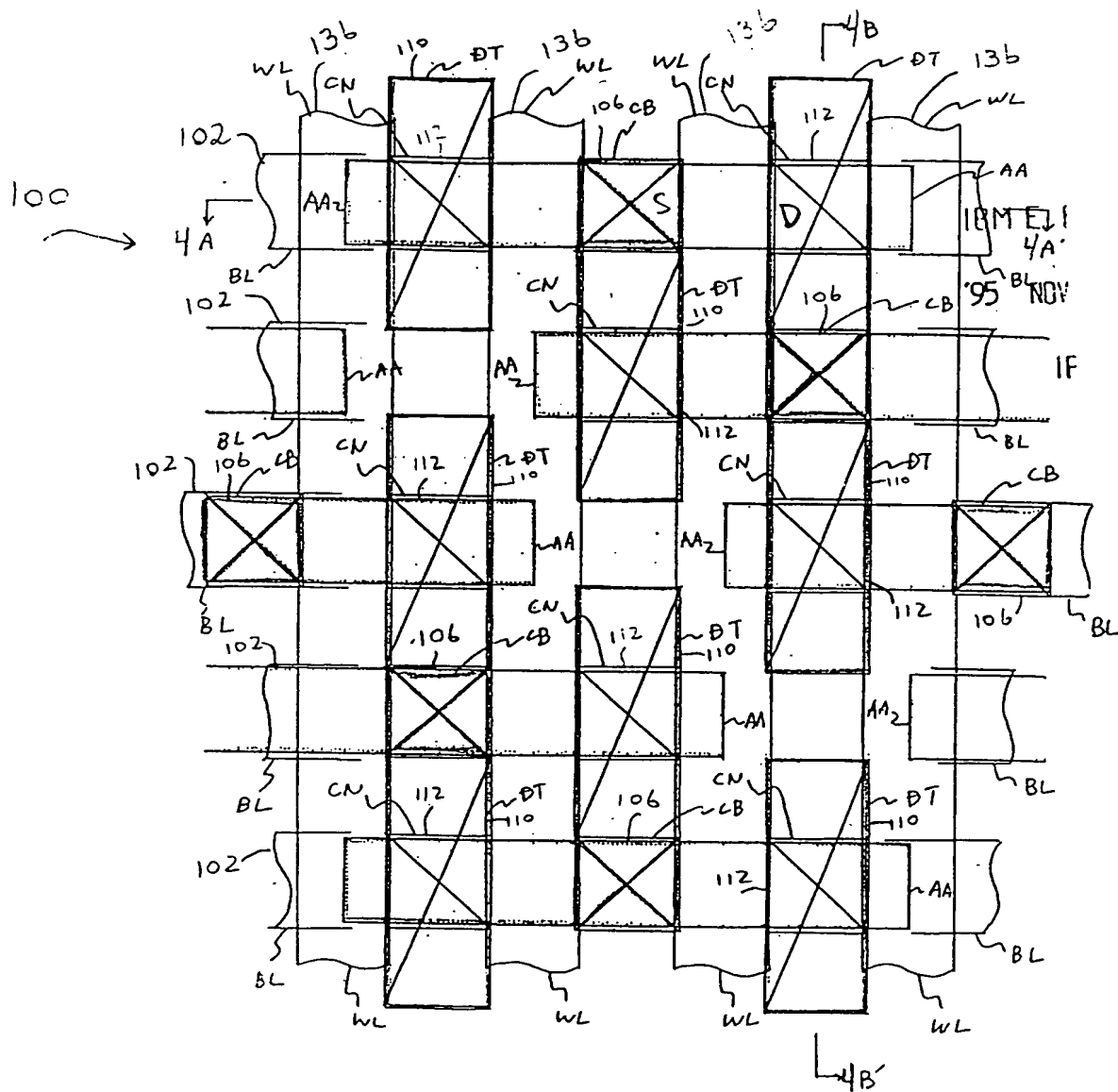


Figure 3

Figure 4A

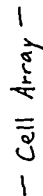


Figure 4B

Figure 5A

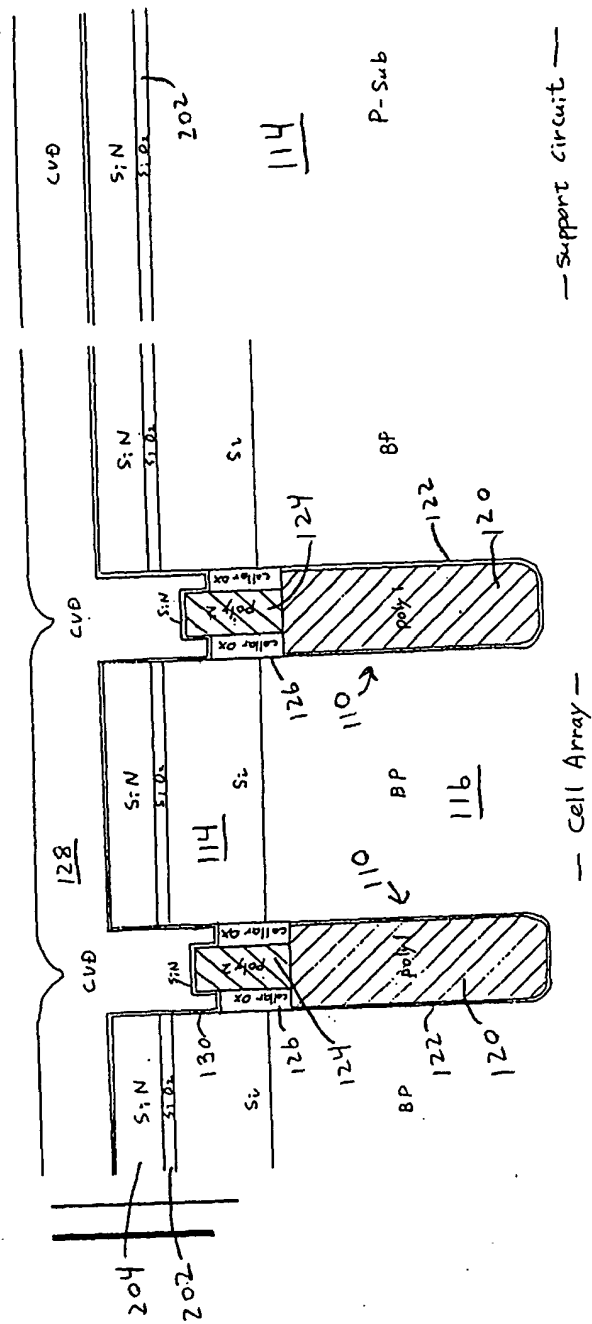


Figure 5B

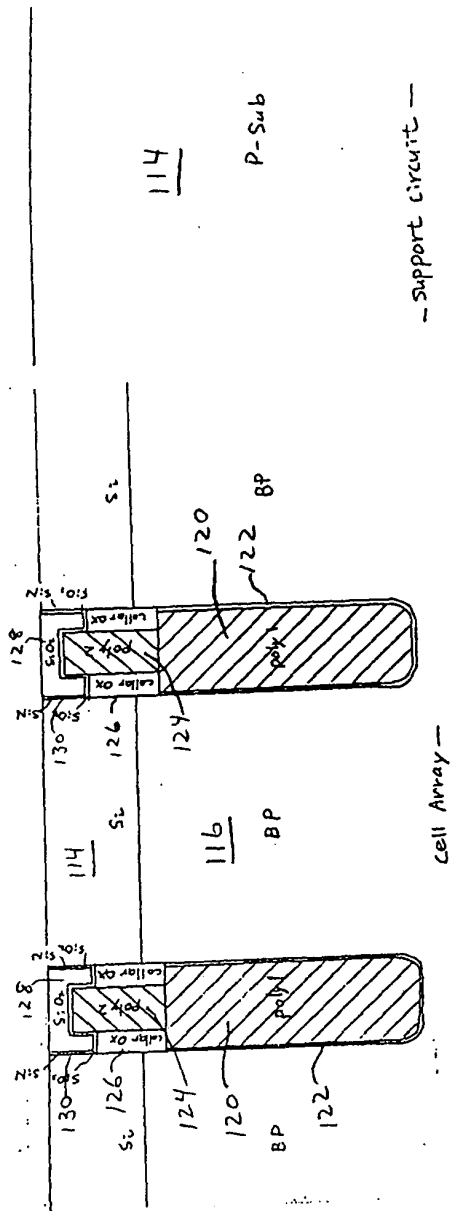


Figure 5C

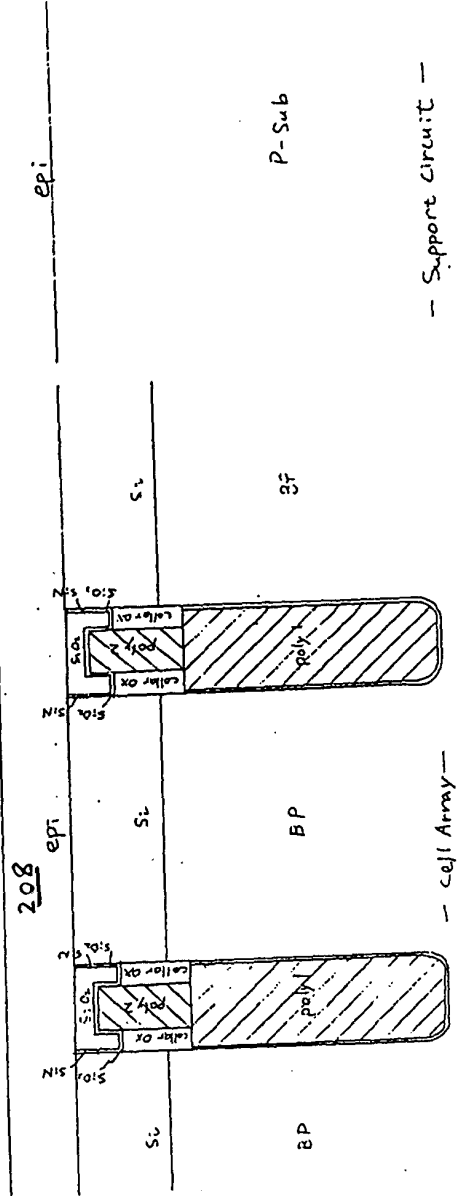


Figure 5D

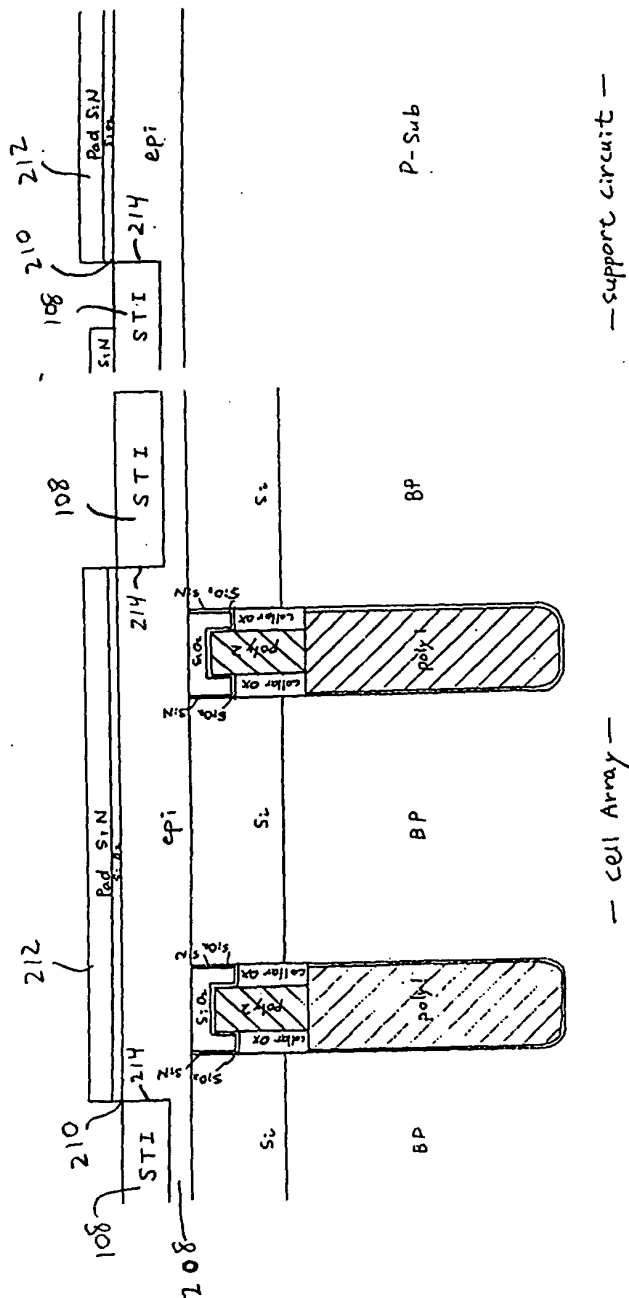
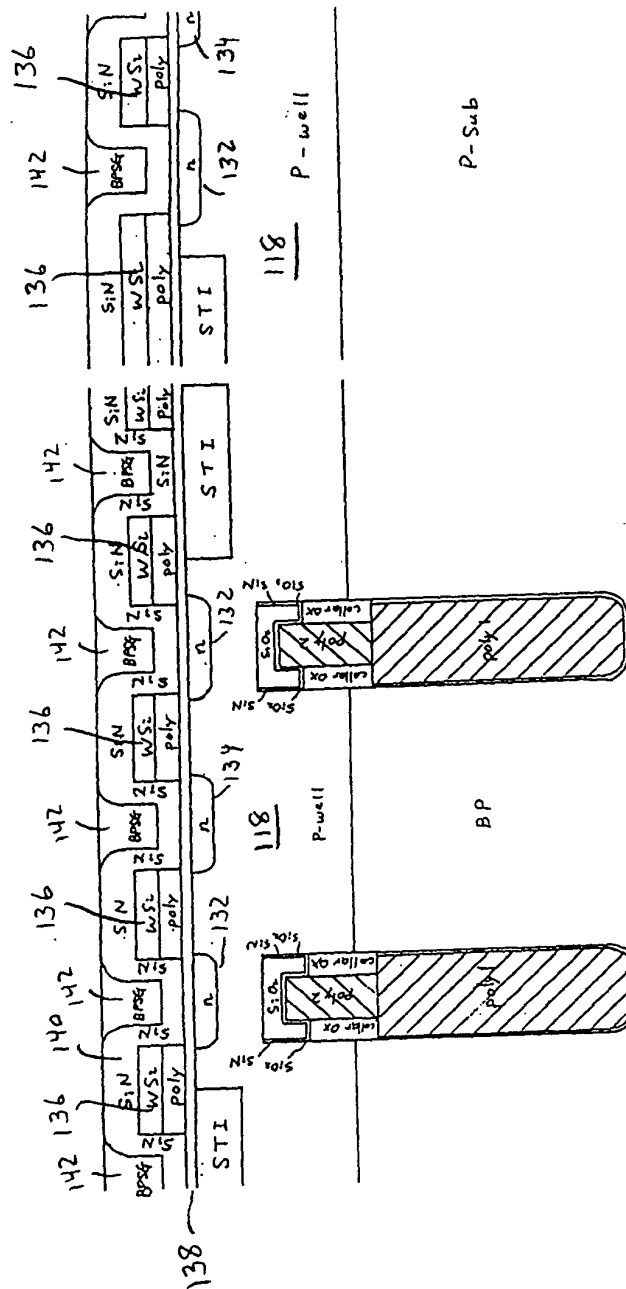


Figure 5E



— cell Array —

— Support Circuit —

Figure 56

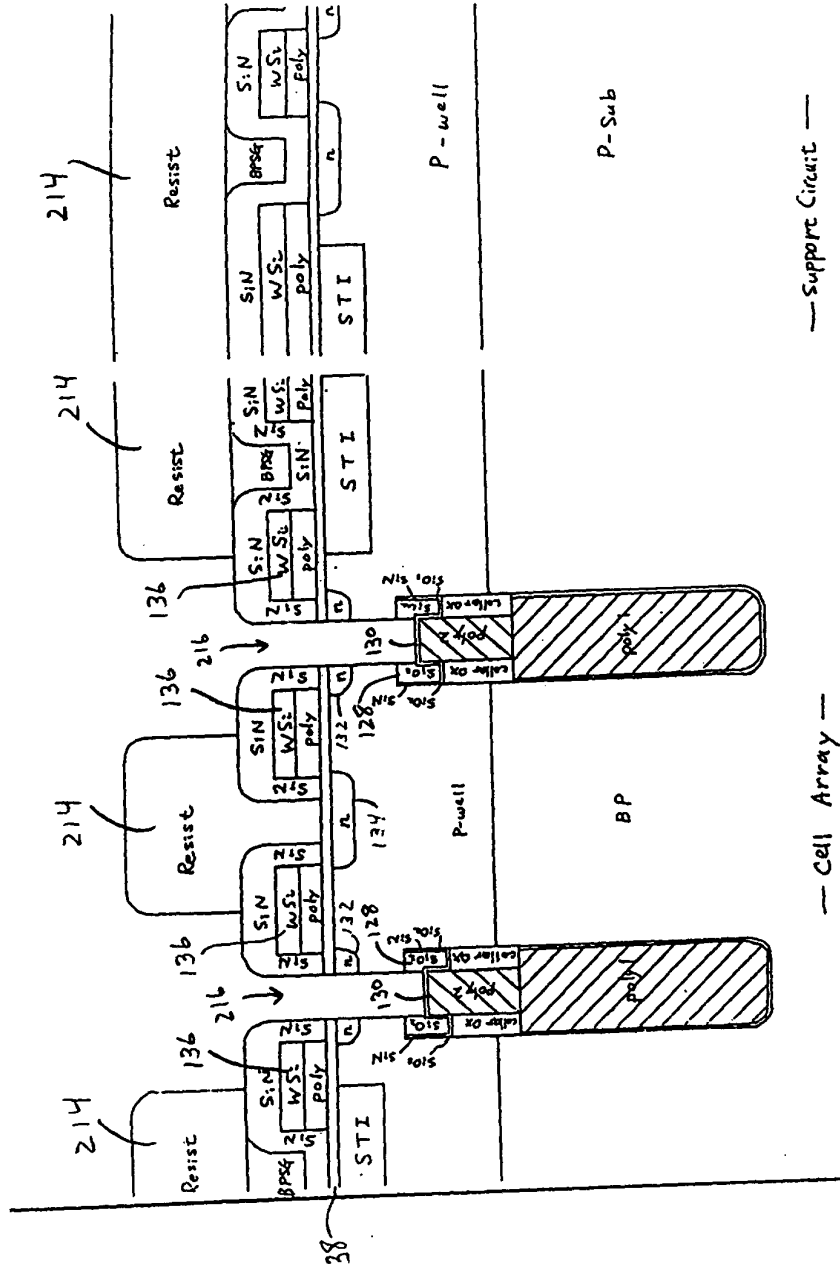
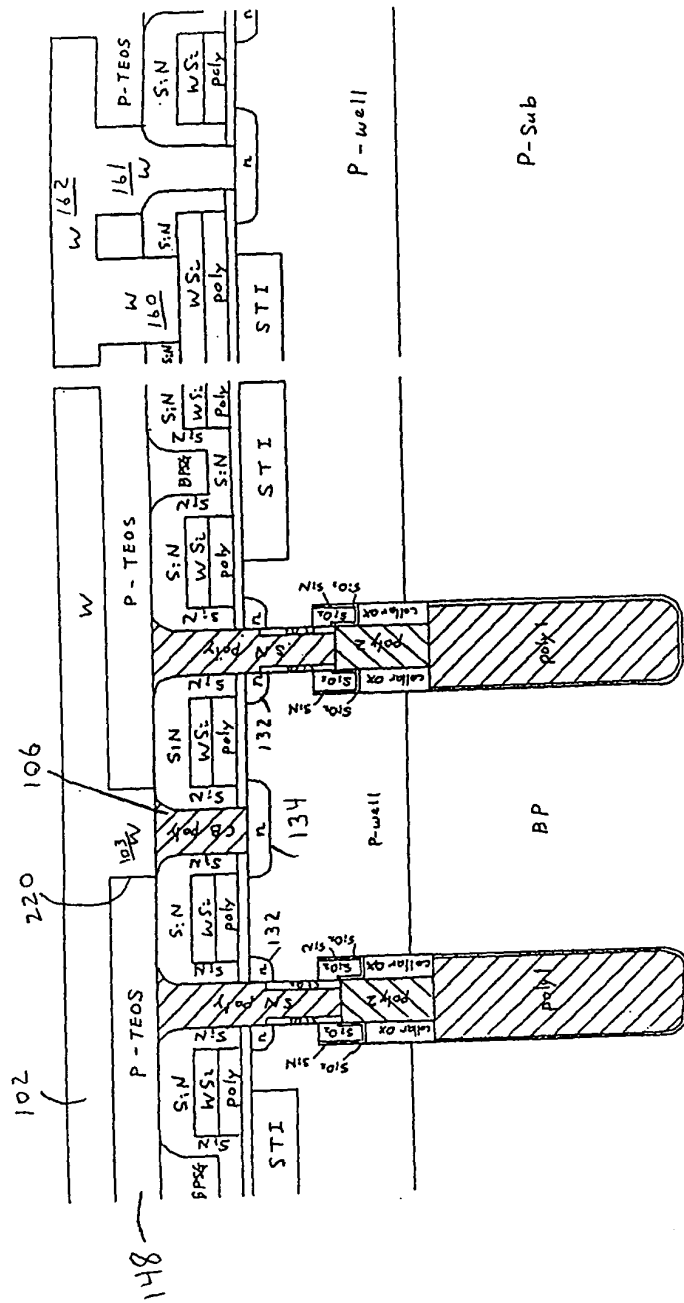


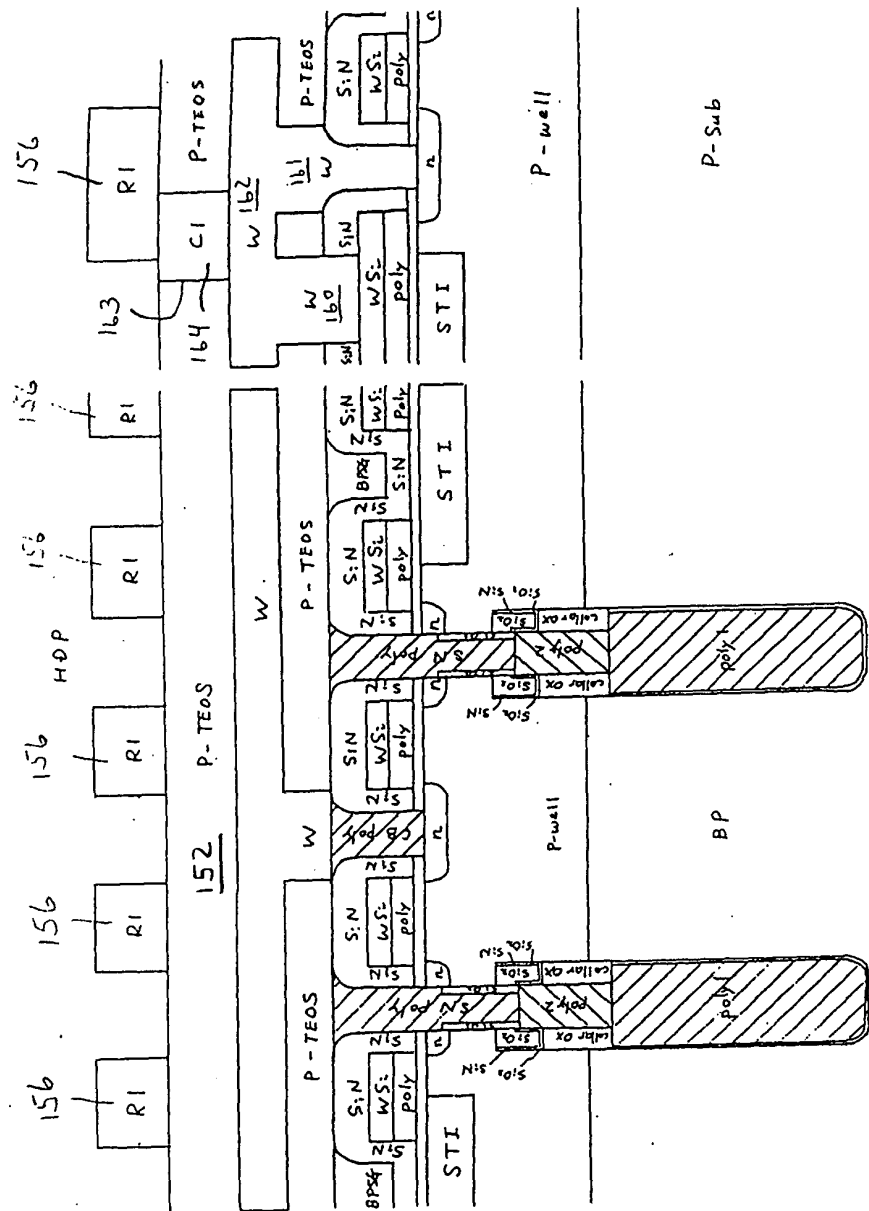
Figure 5I



— cell Array —

— Support Circuit —

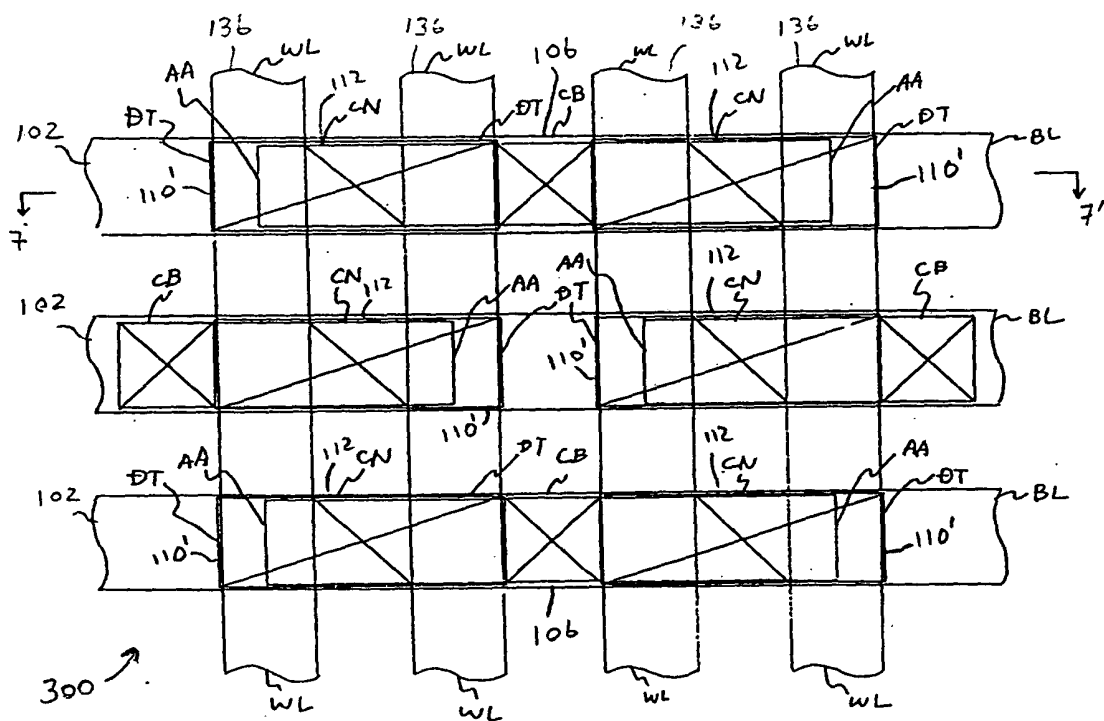
Figure 5J



—Support Circuit—

—Cell Array—

Figure 6



002760" 06E09960

Figure 8

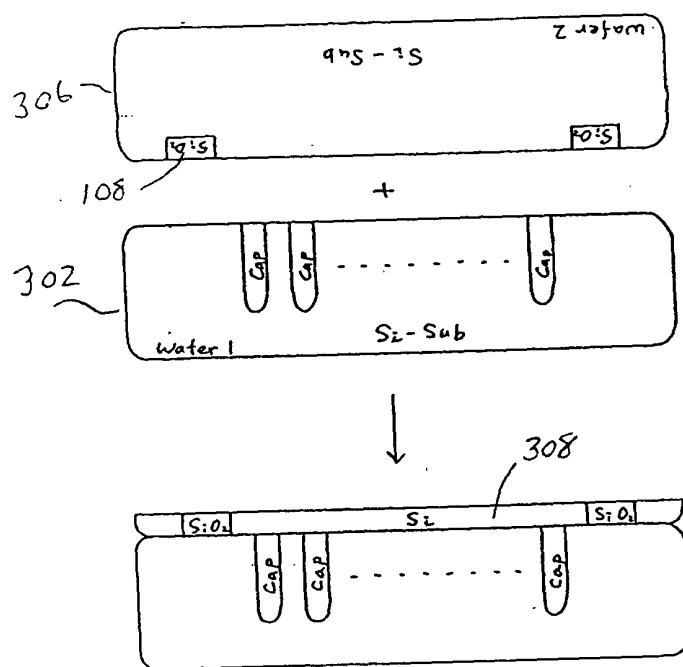


Figure 9A

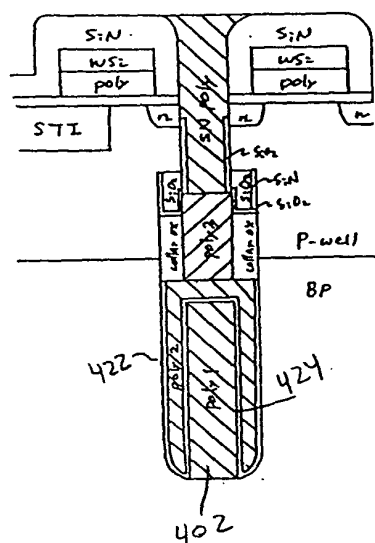
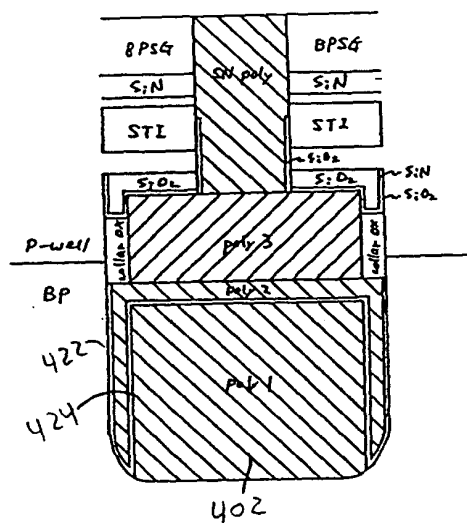


Figure 9B



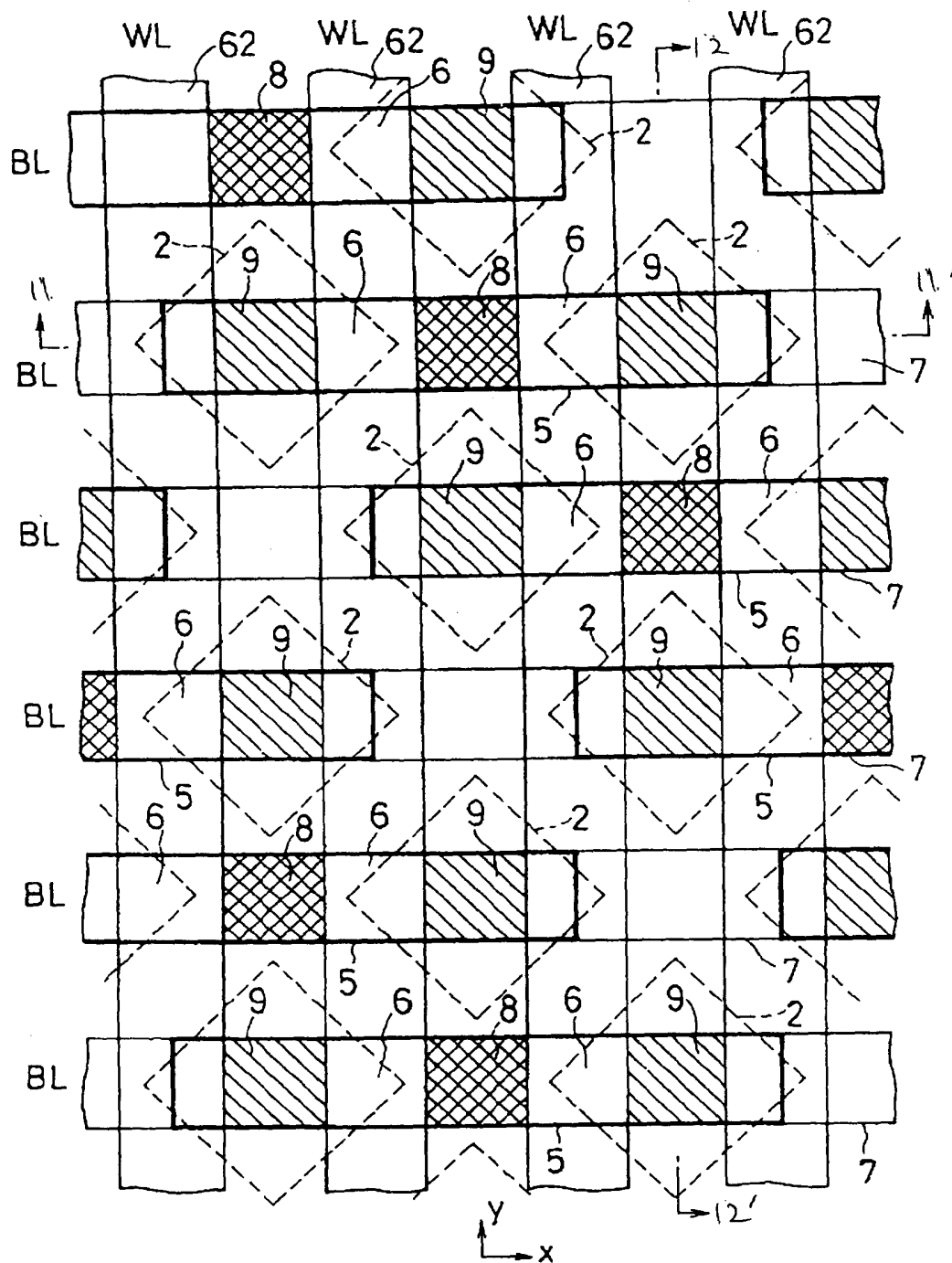


Figure 10

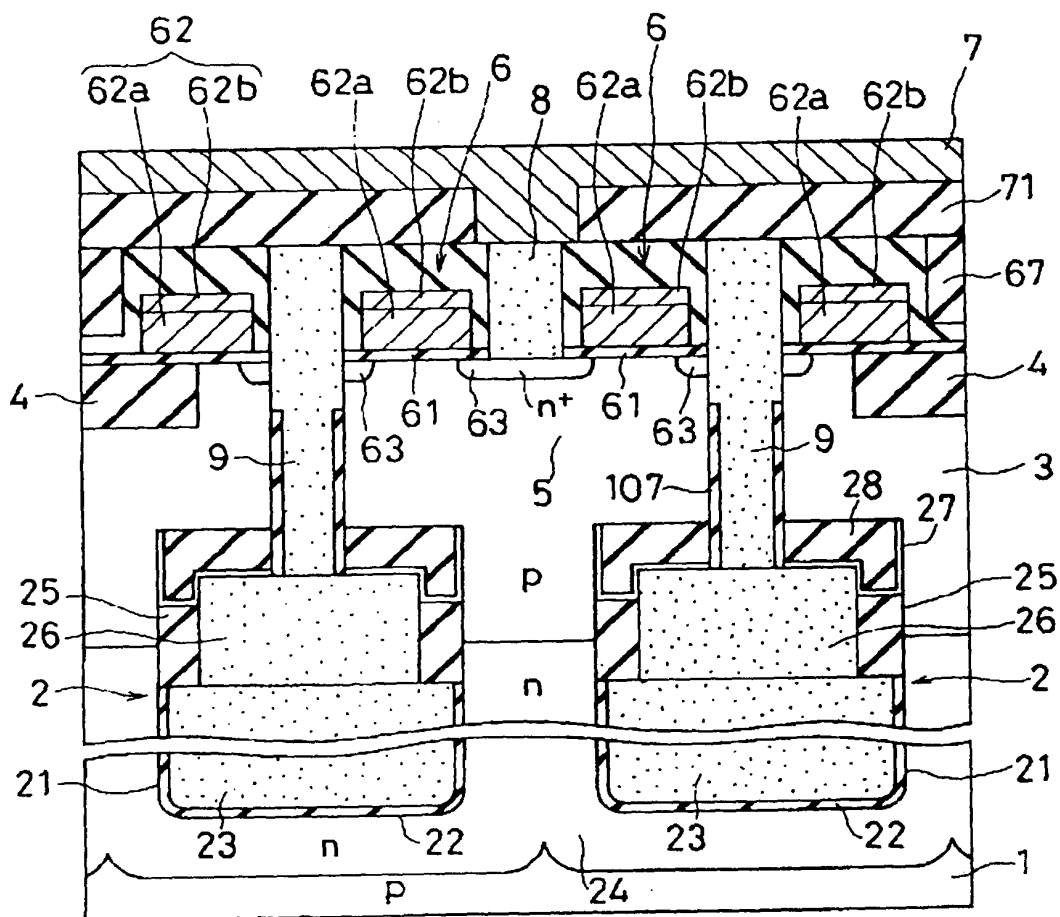


Figure 11

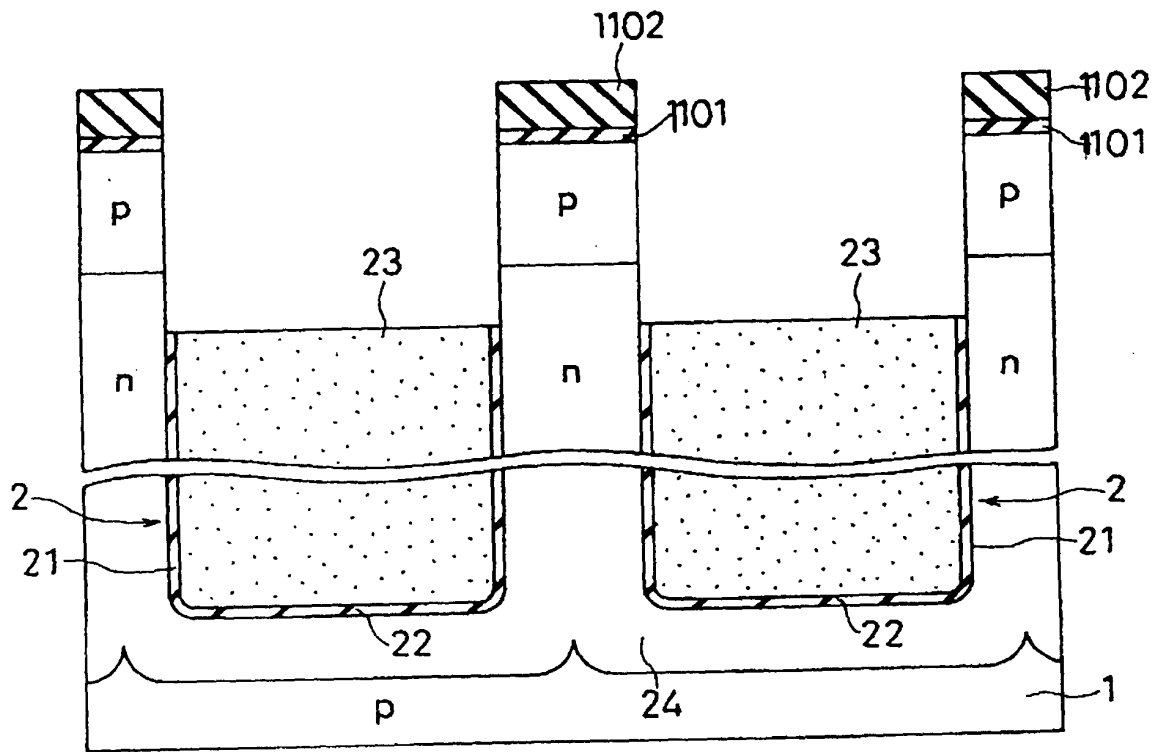


Figure 13A

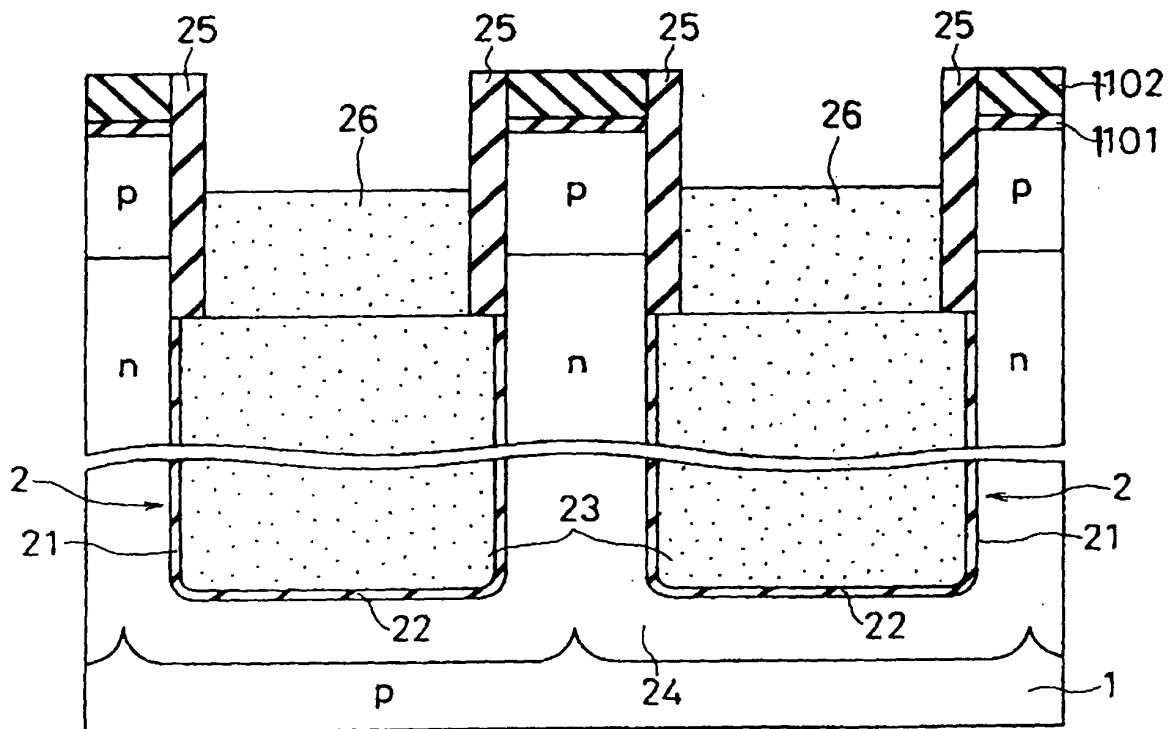


Figure 13B

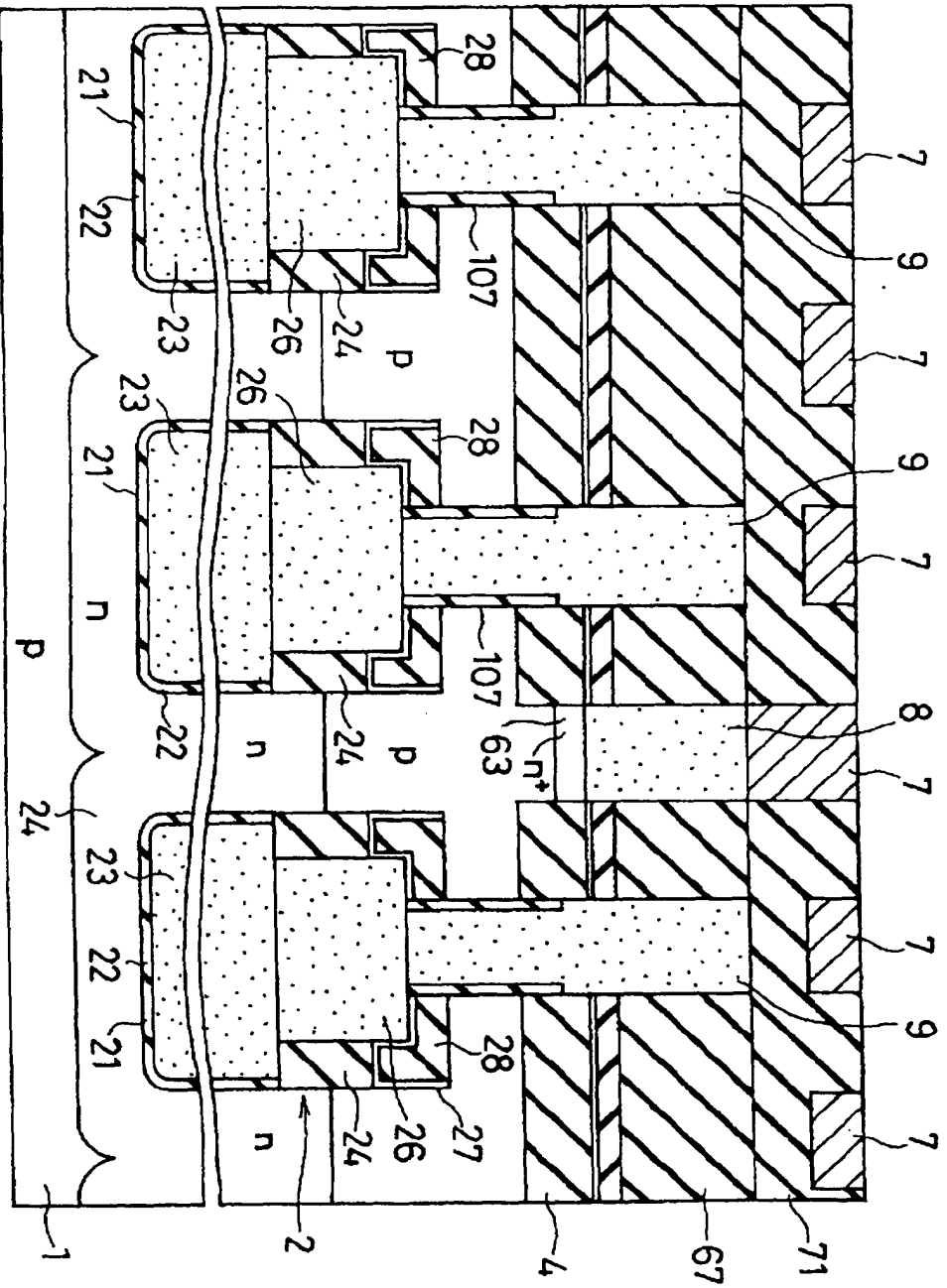
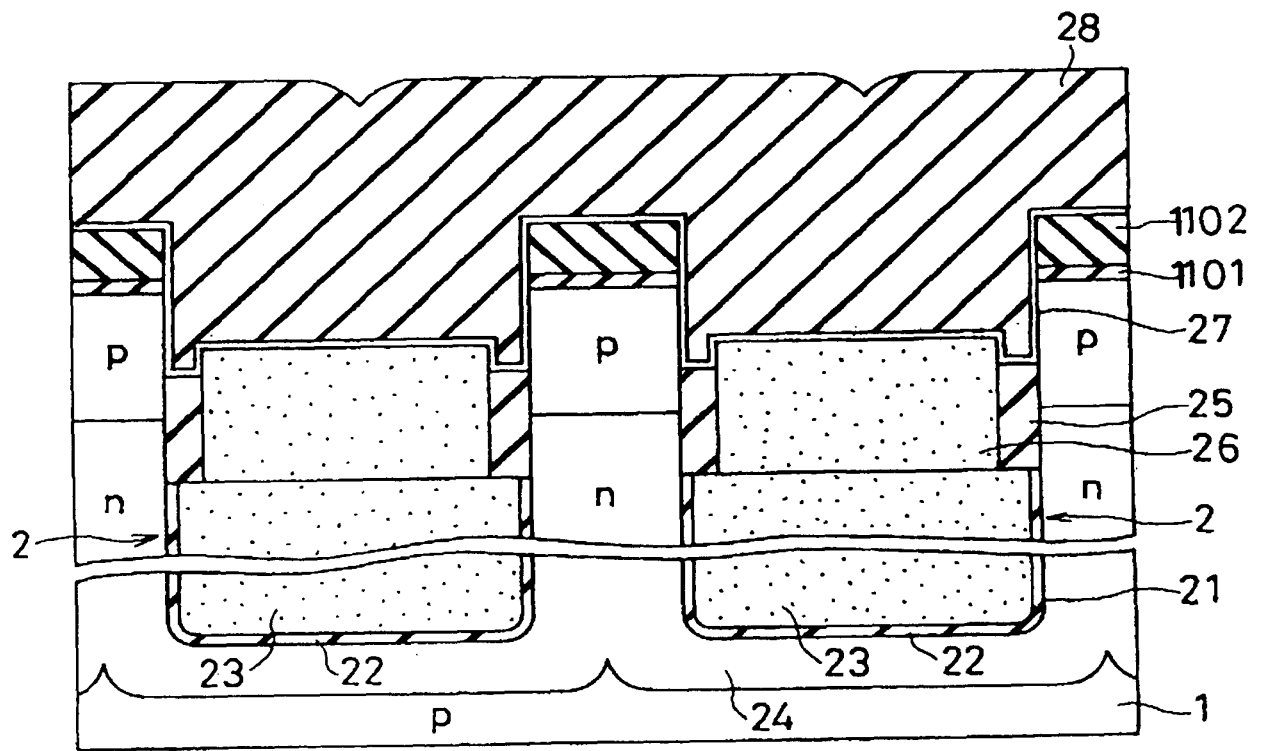


Figure 12



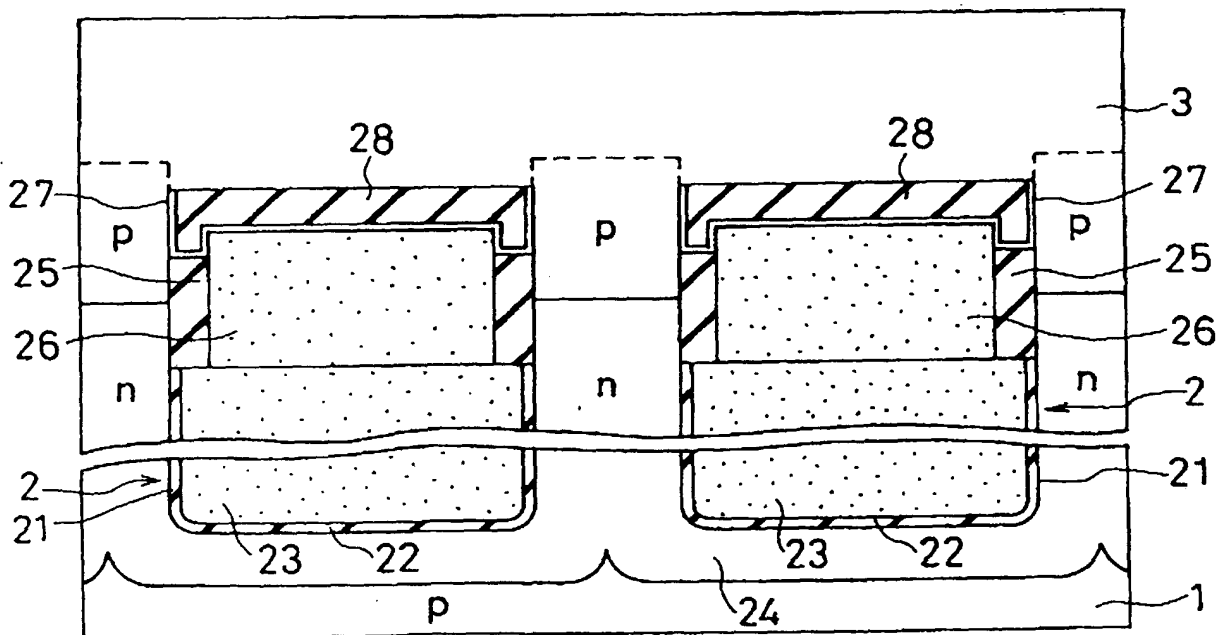


Figure 13E

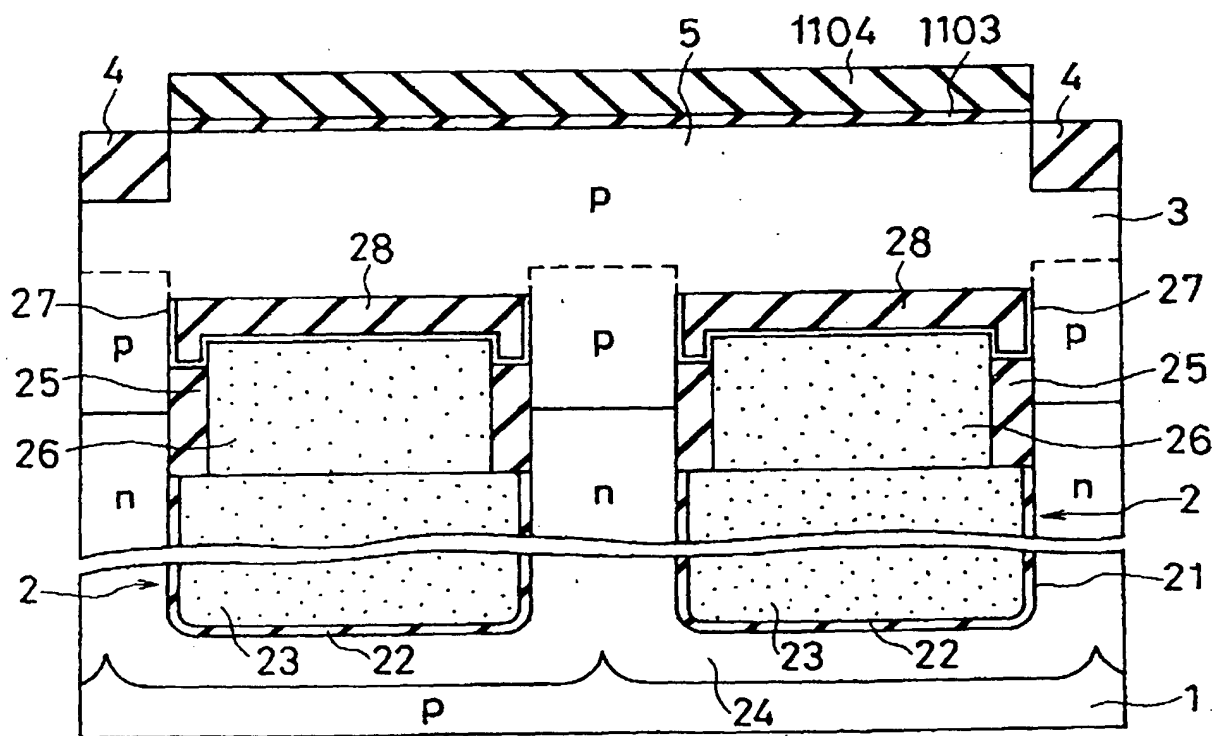


Figure 13F

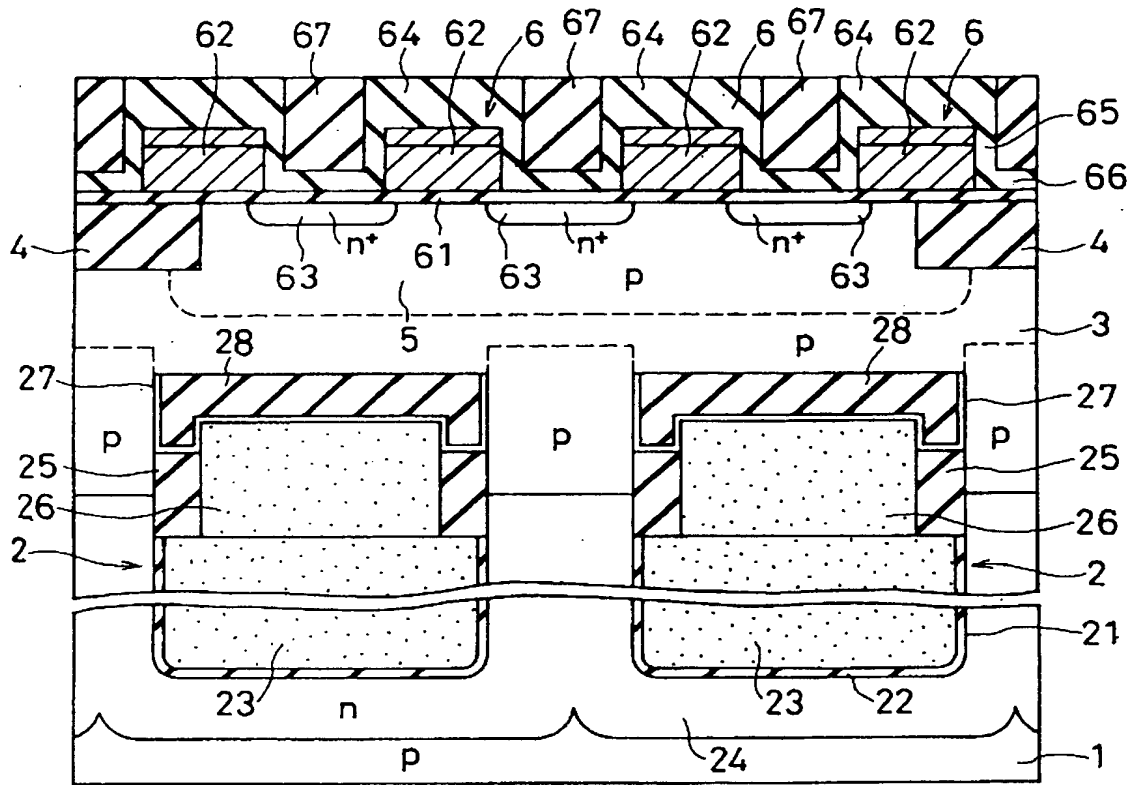


Figure 13G

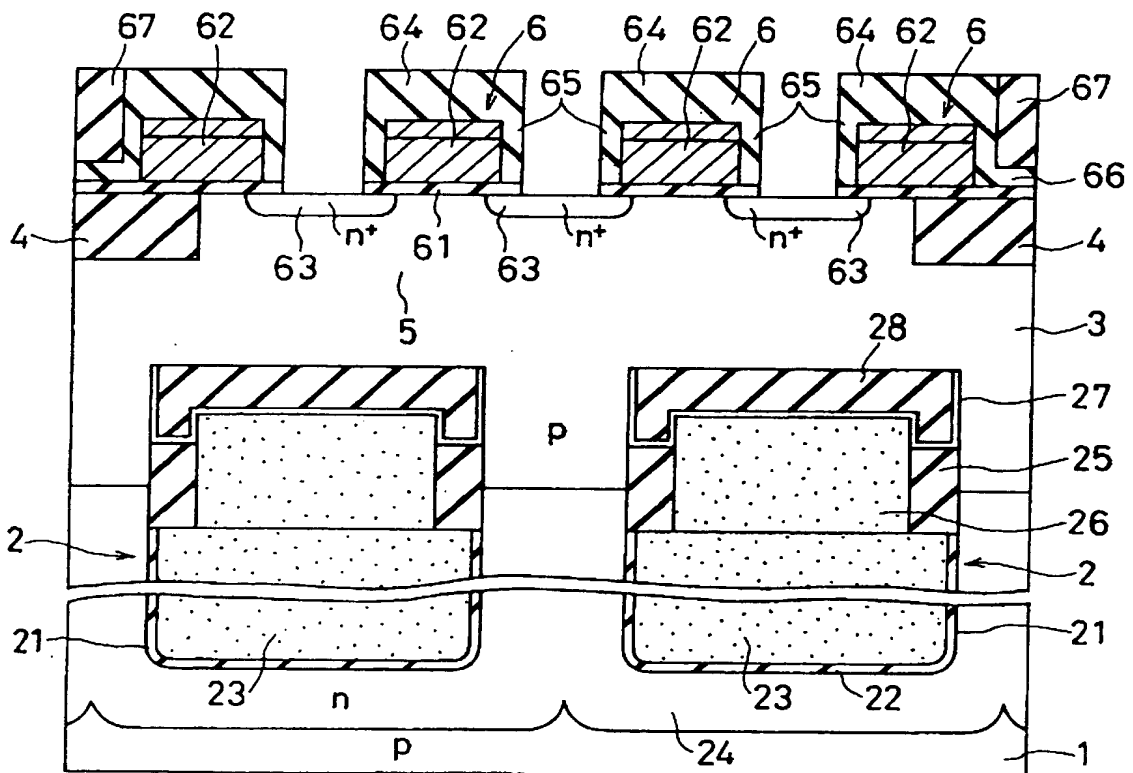


Figure 13H

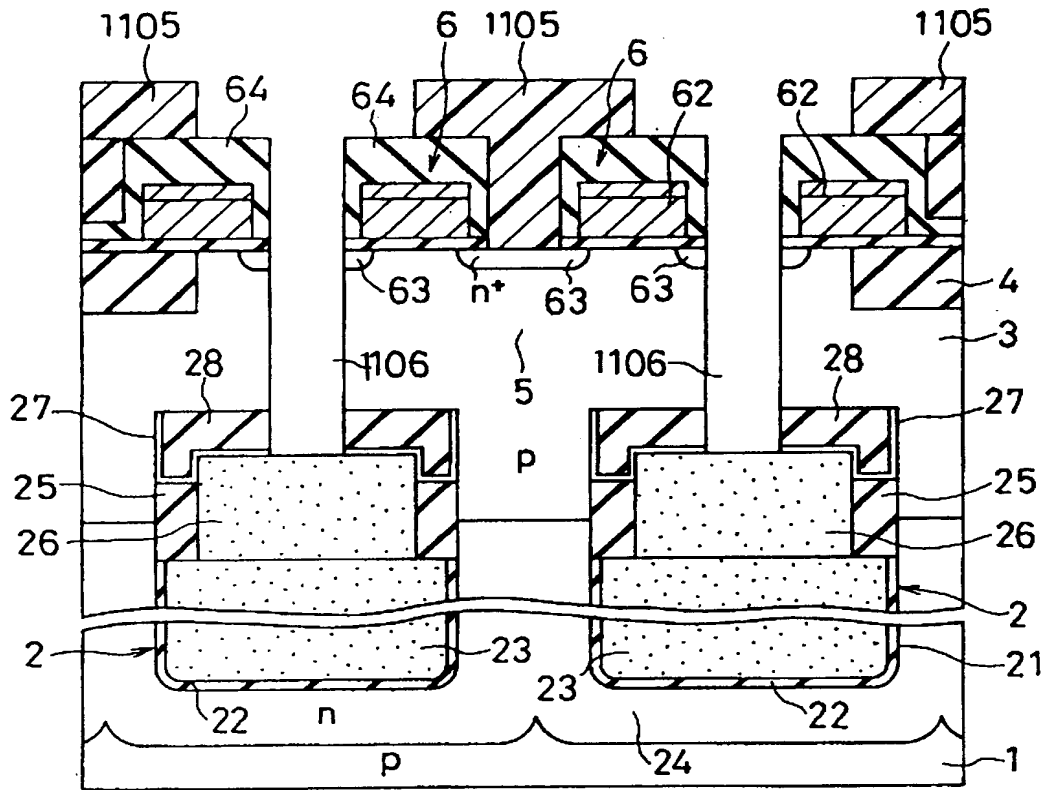


Figure 13I

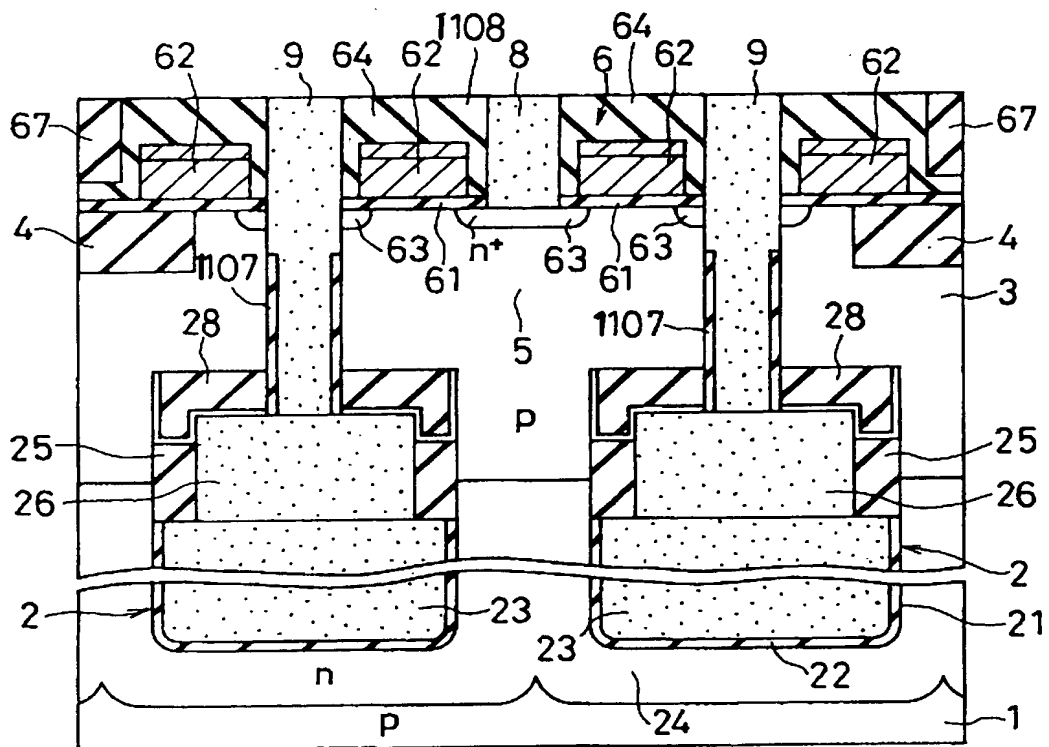


Figure 13J

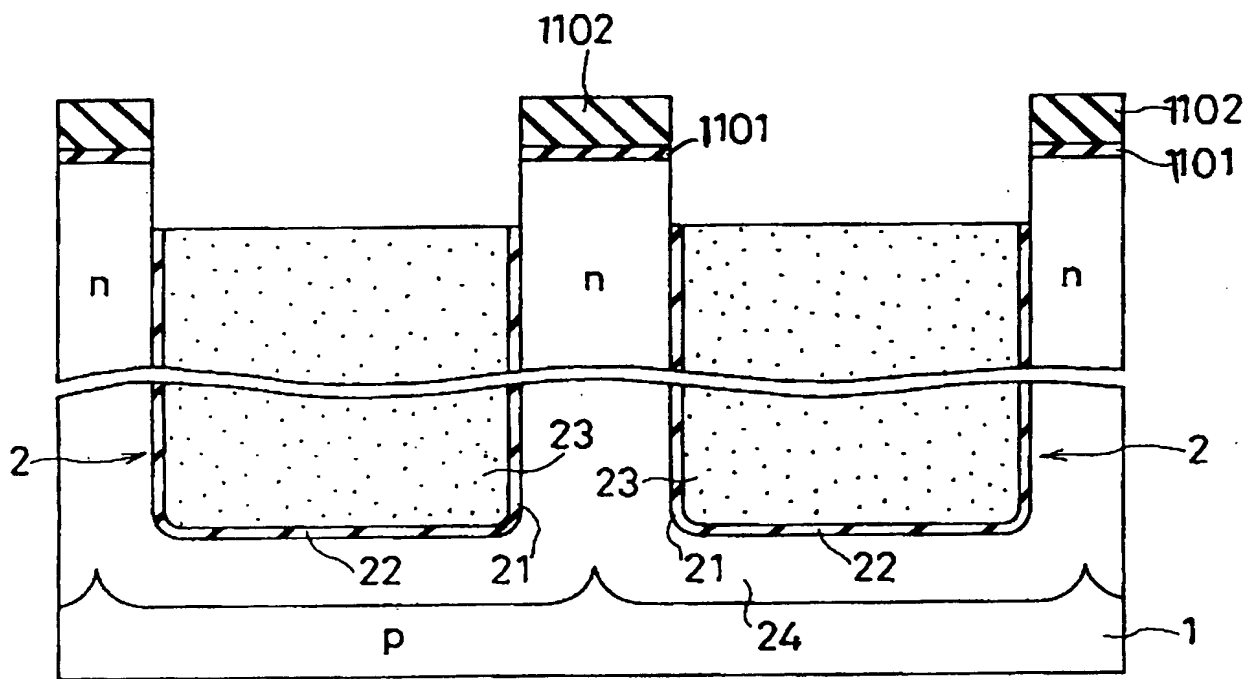


Figure 14A

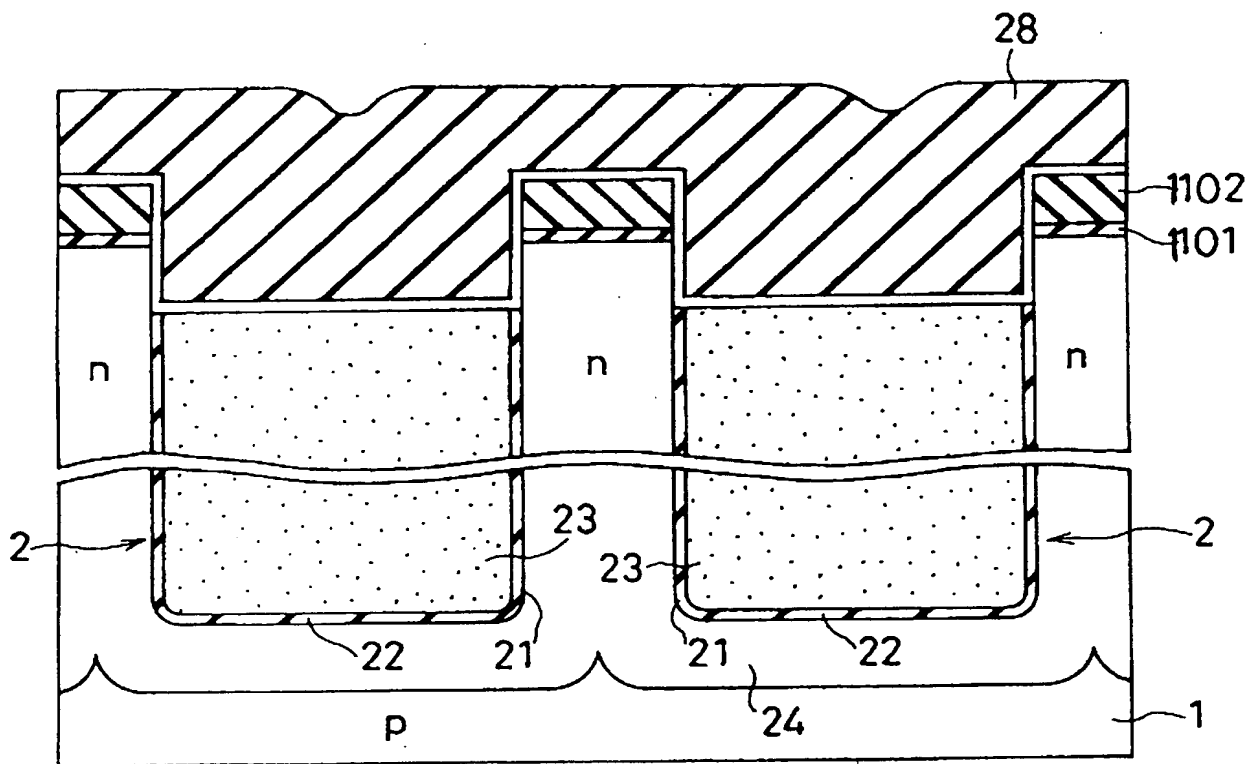


Figure 14B

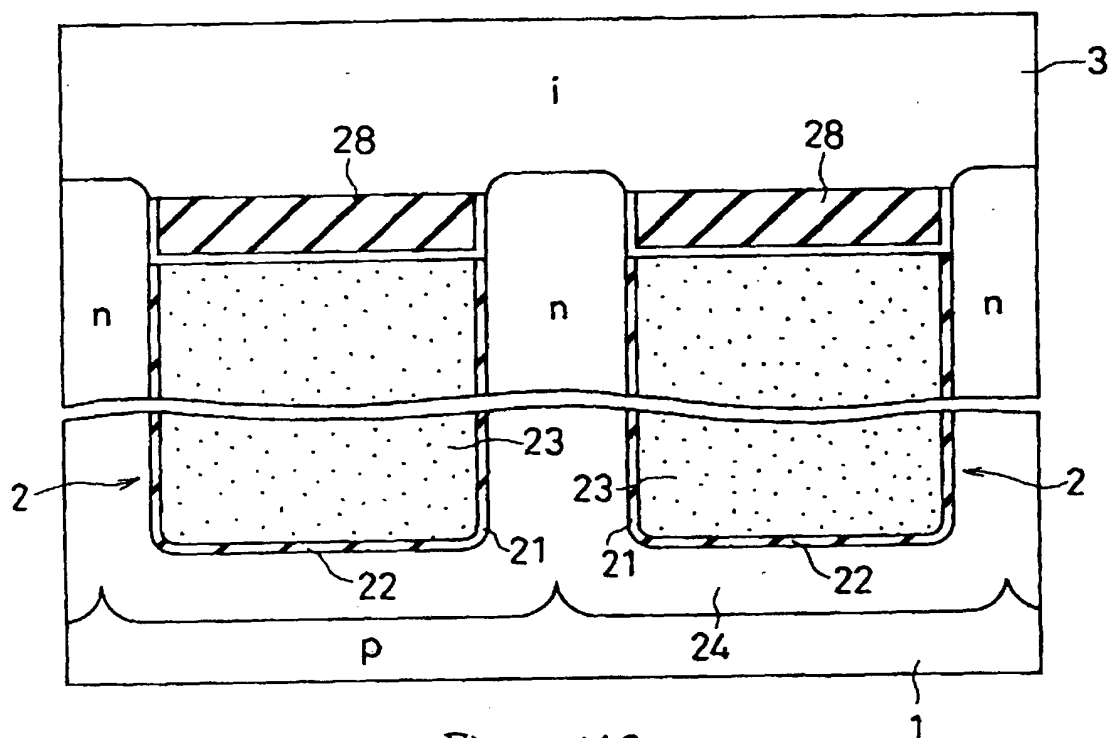


Figure 14C

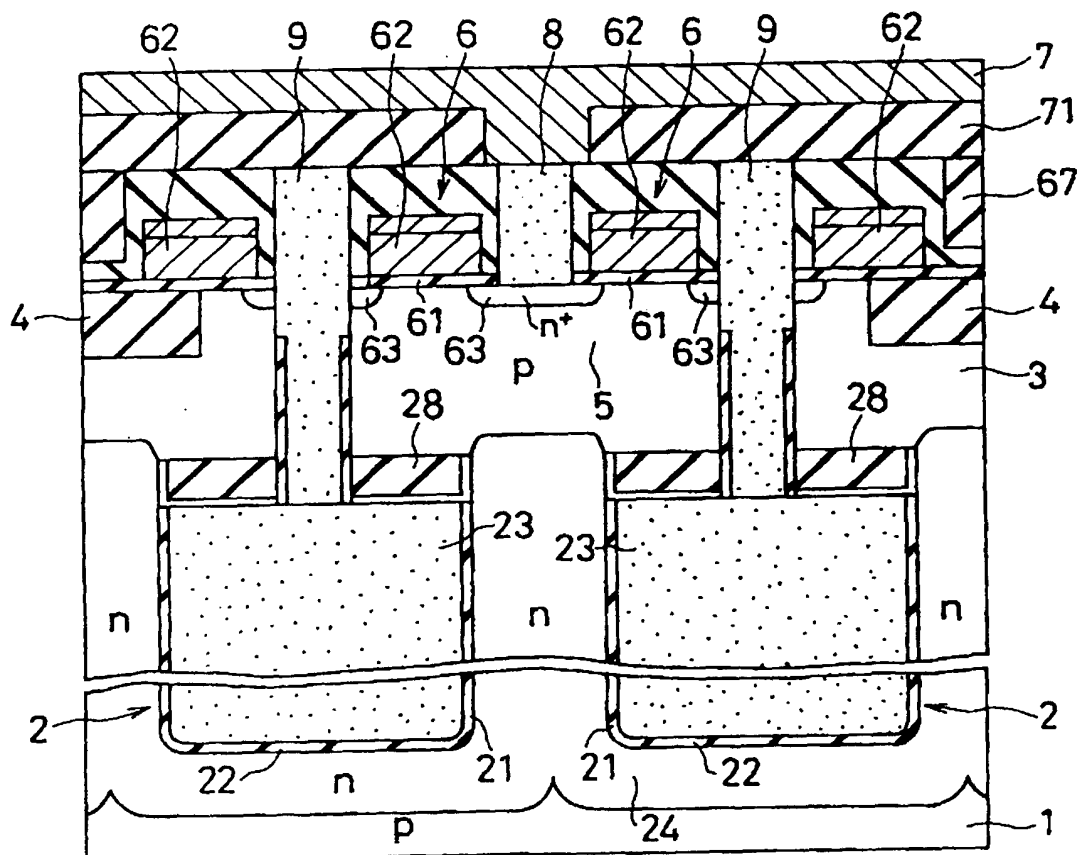


Figure 14D

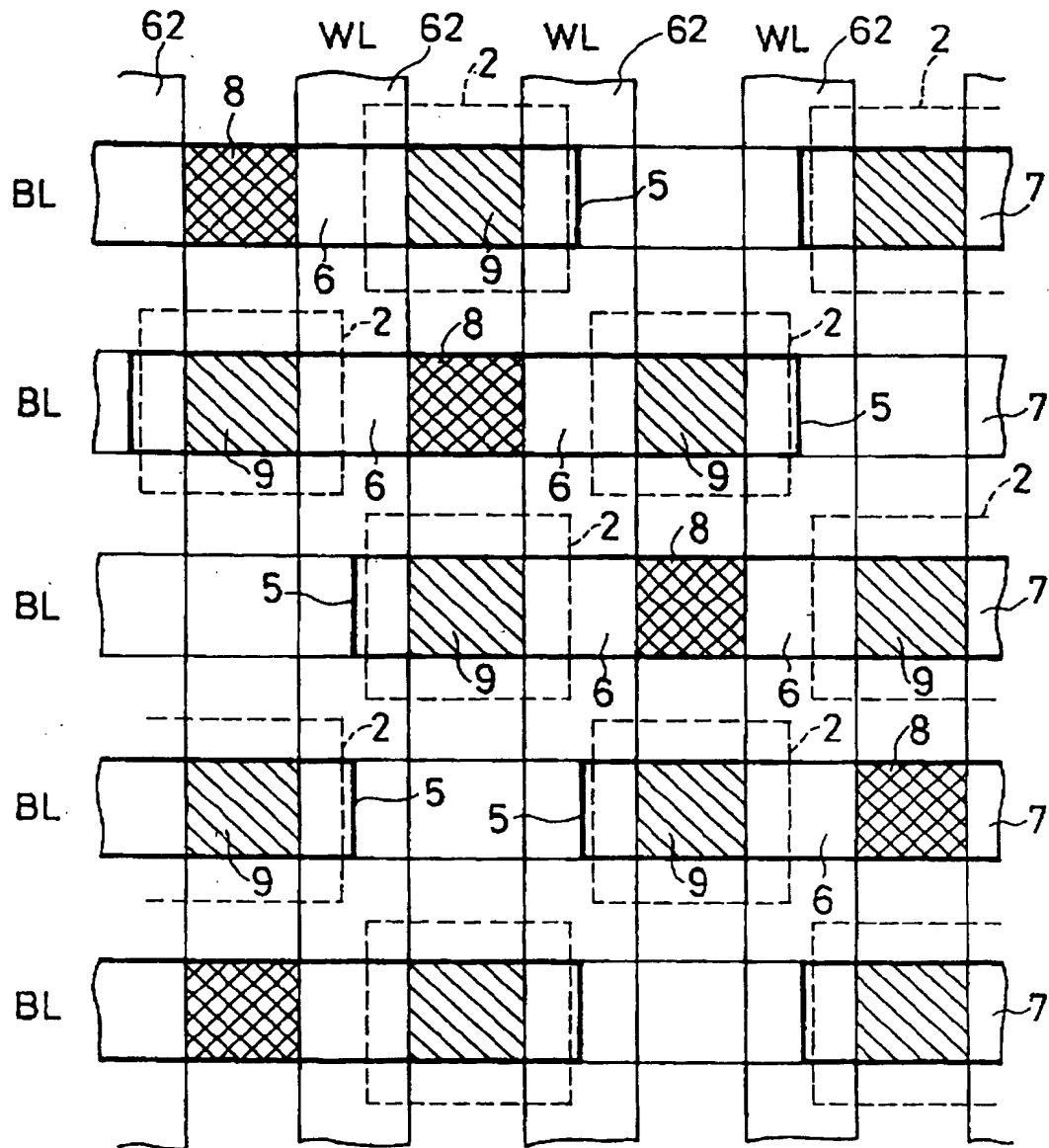


Figure 15

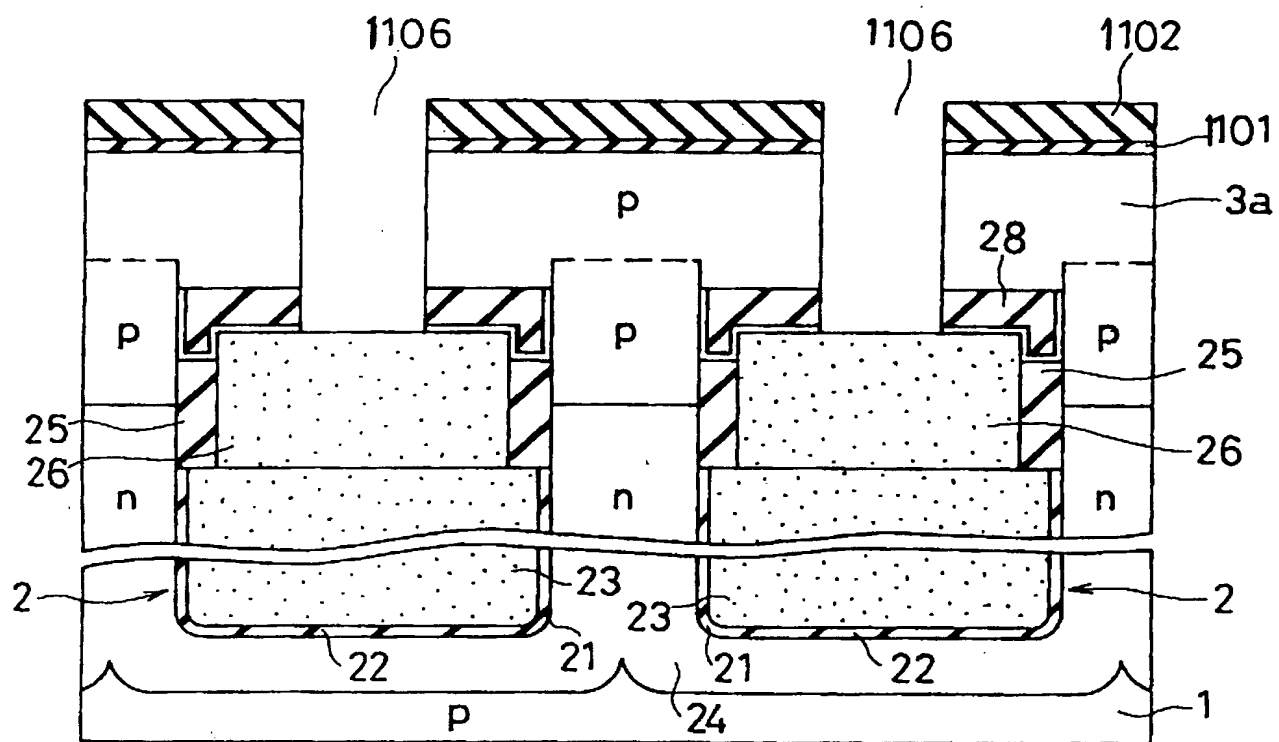


Figure 16A

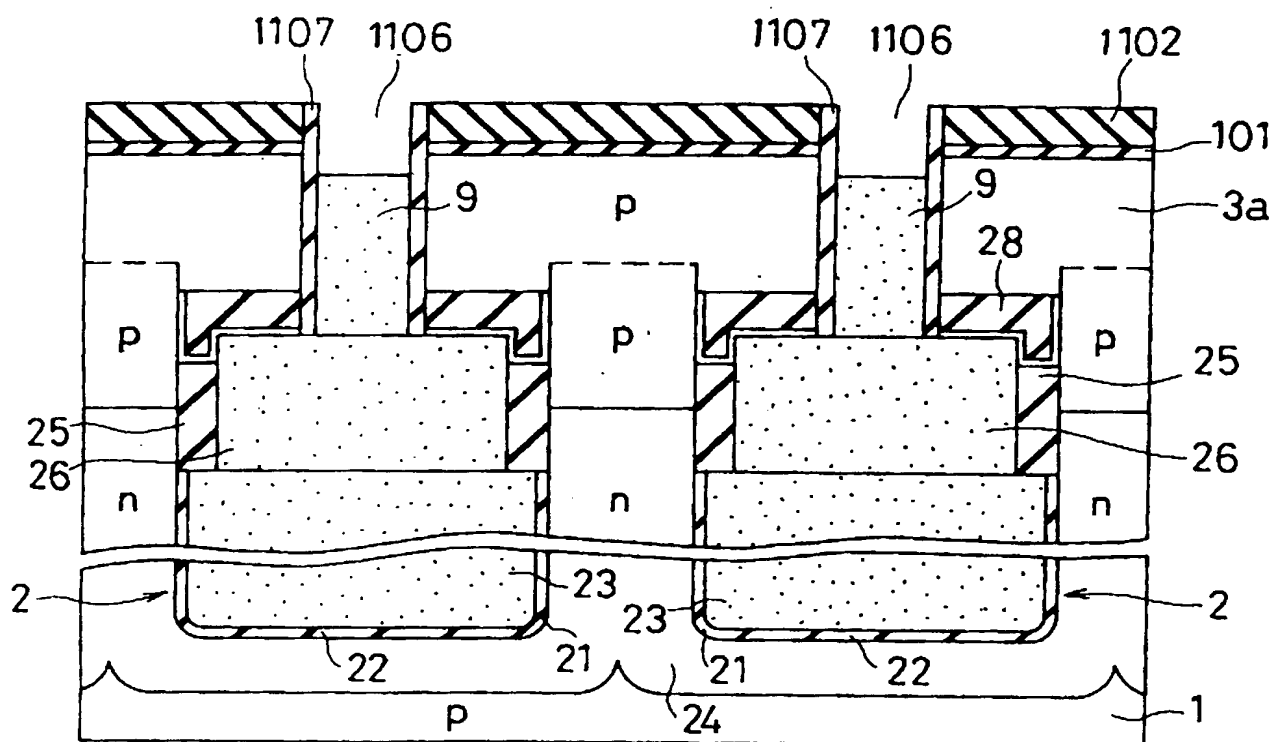


Figure 1GB

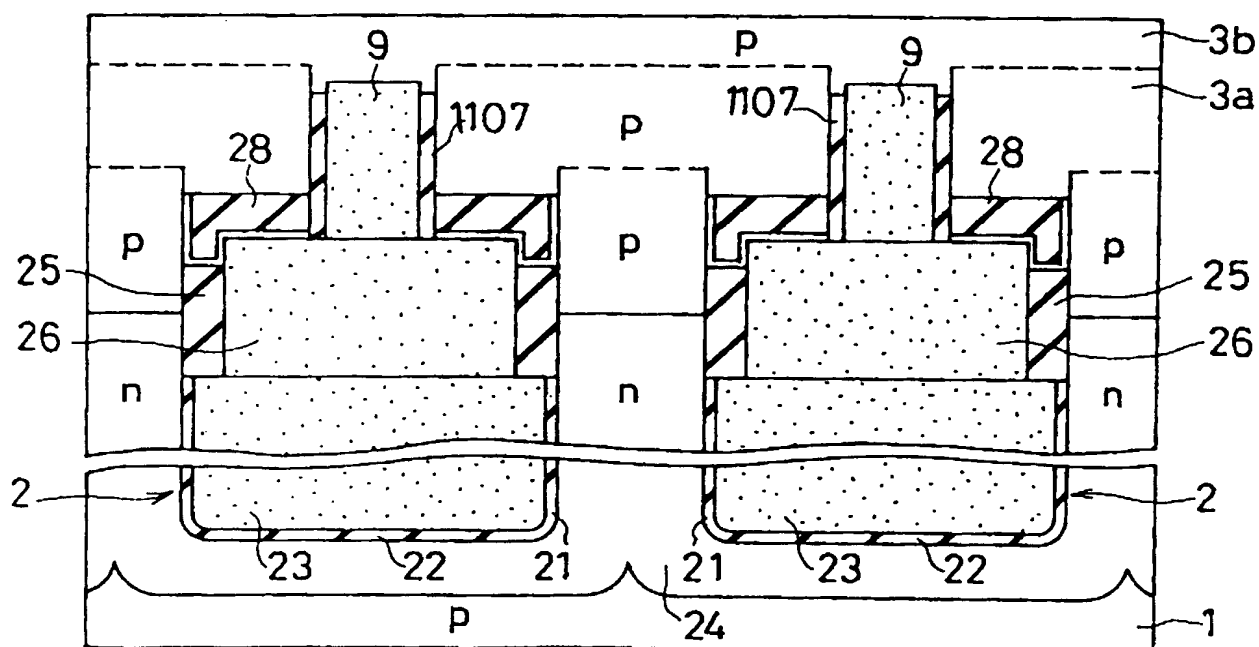


Figure 16C

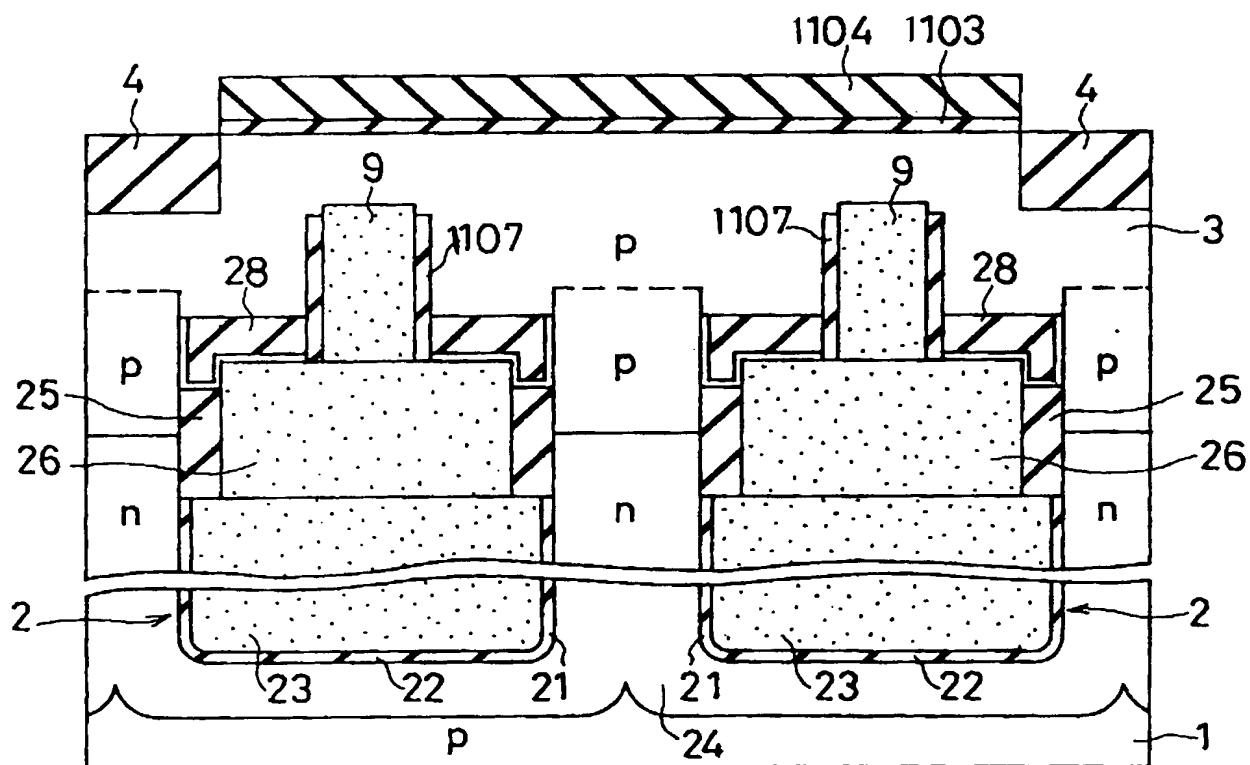


Figure 16D

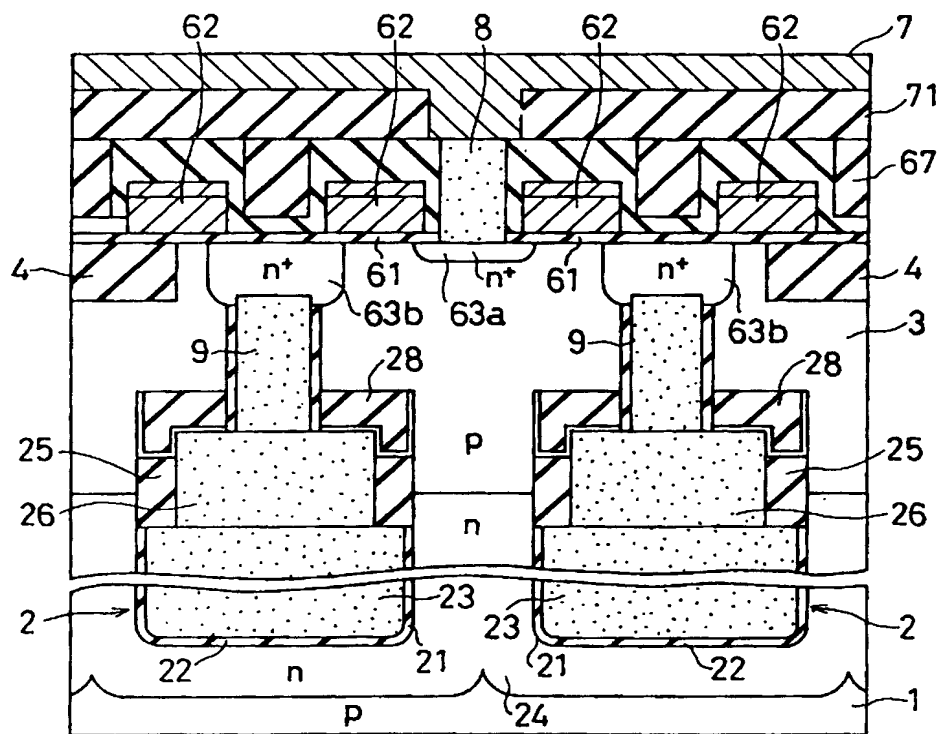


Figure 16E

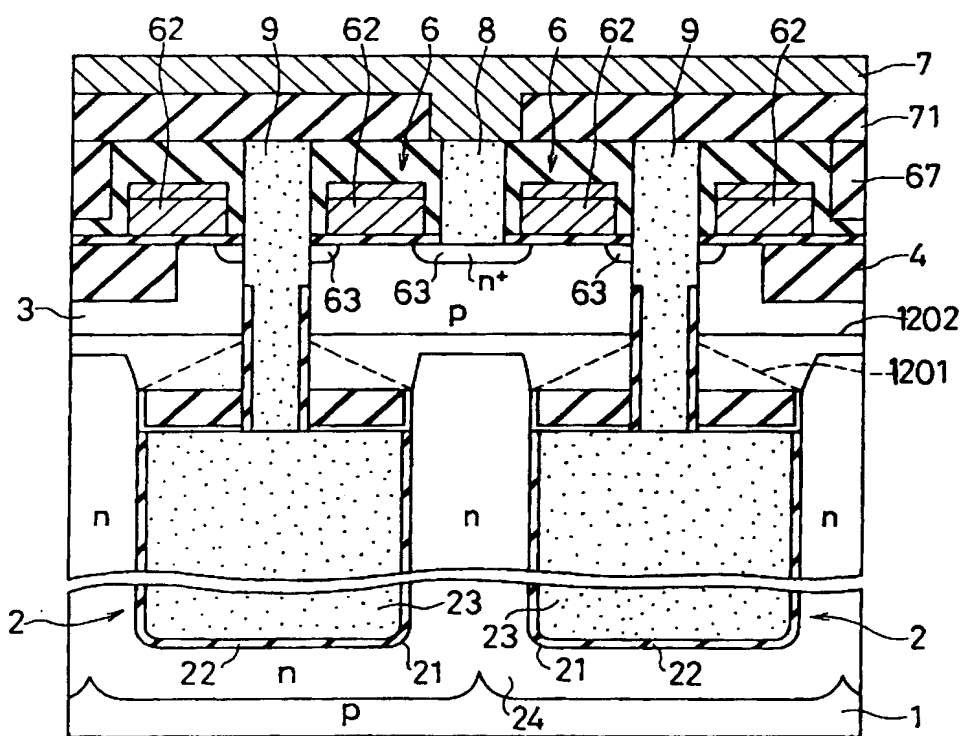


Figure 17

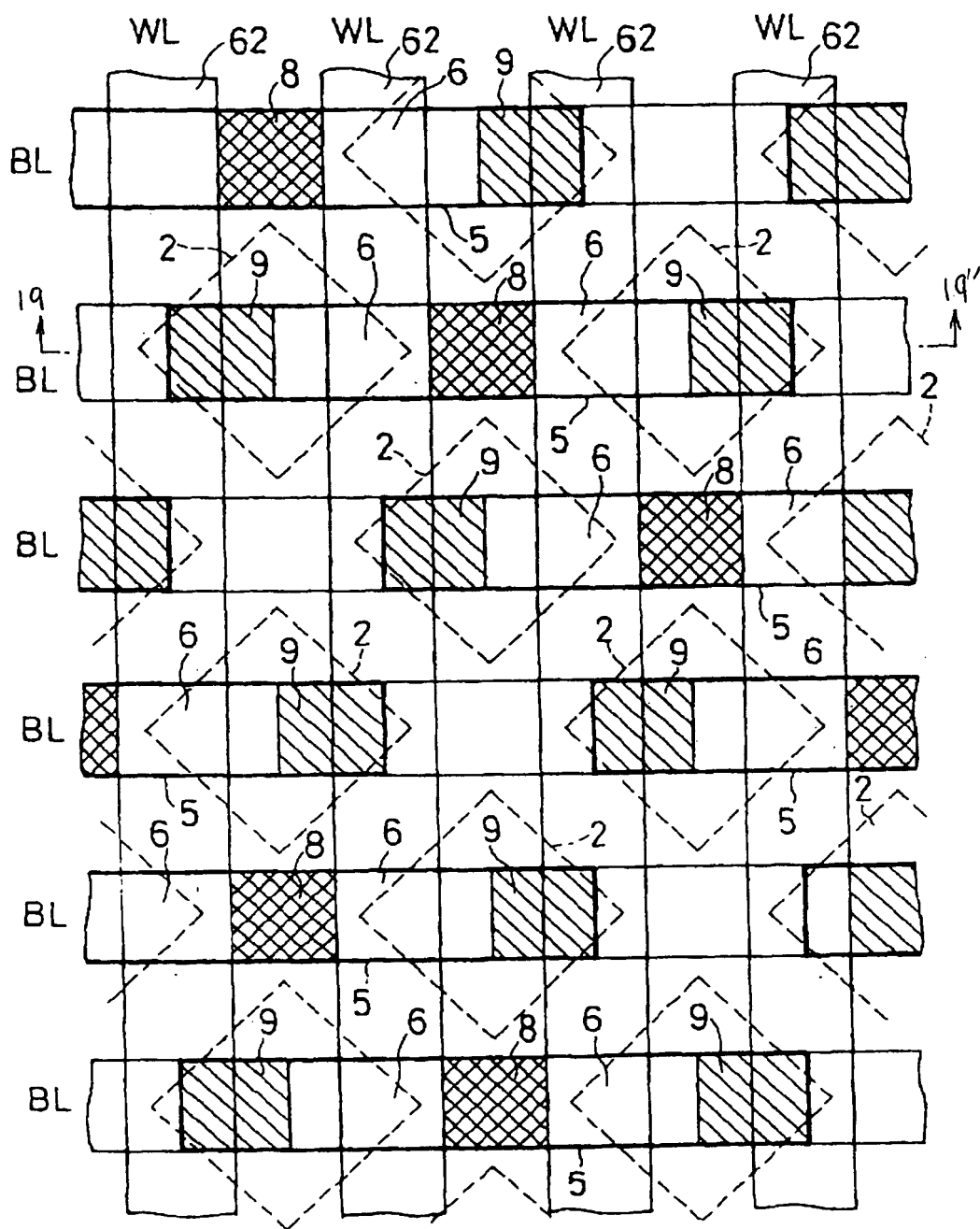


Figure 18

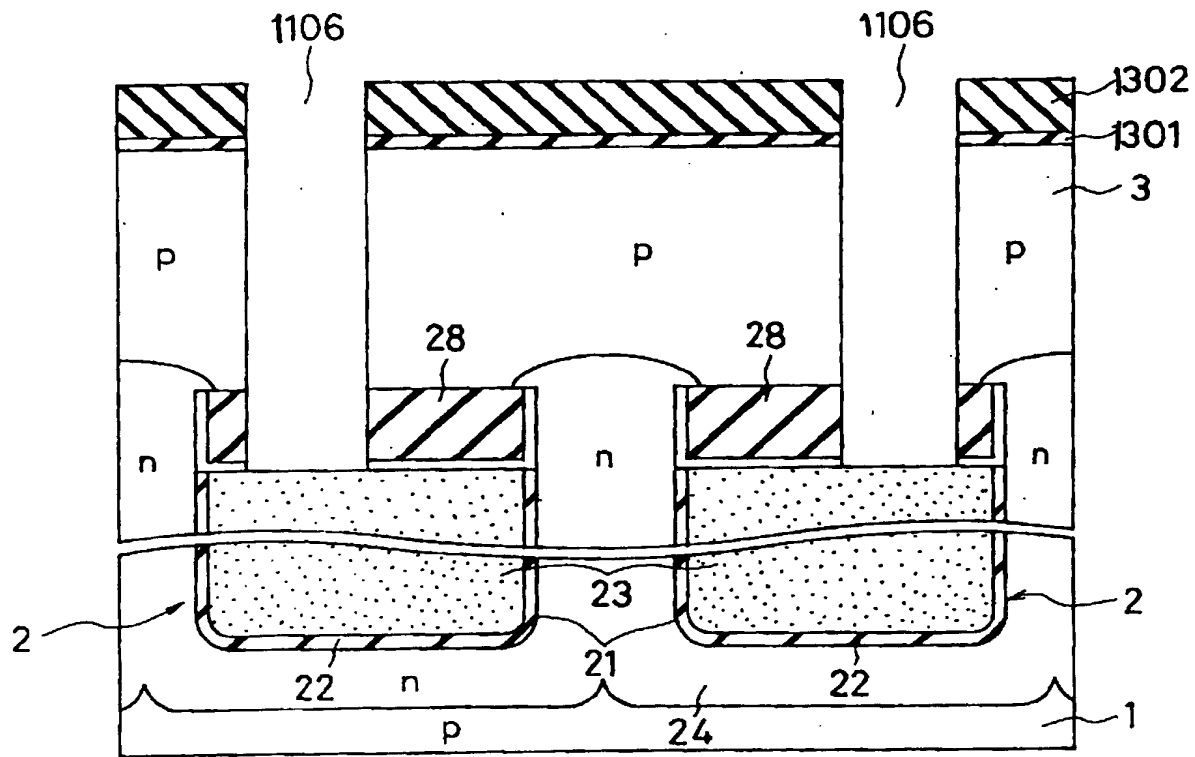


Figure 19A

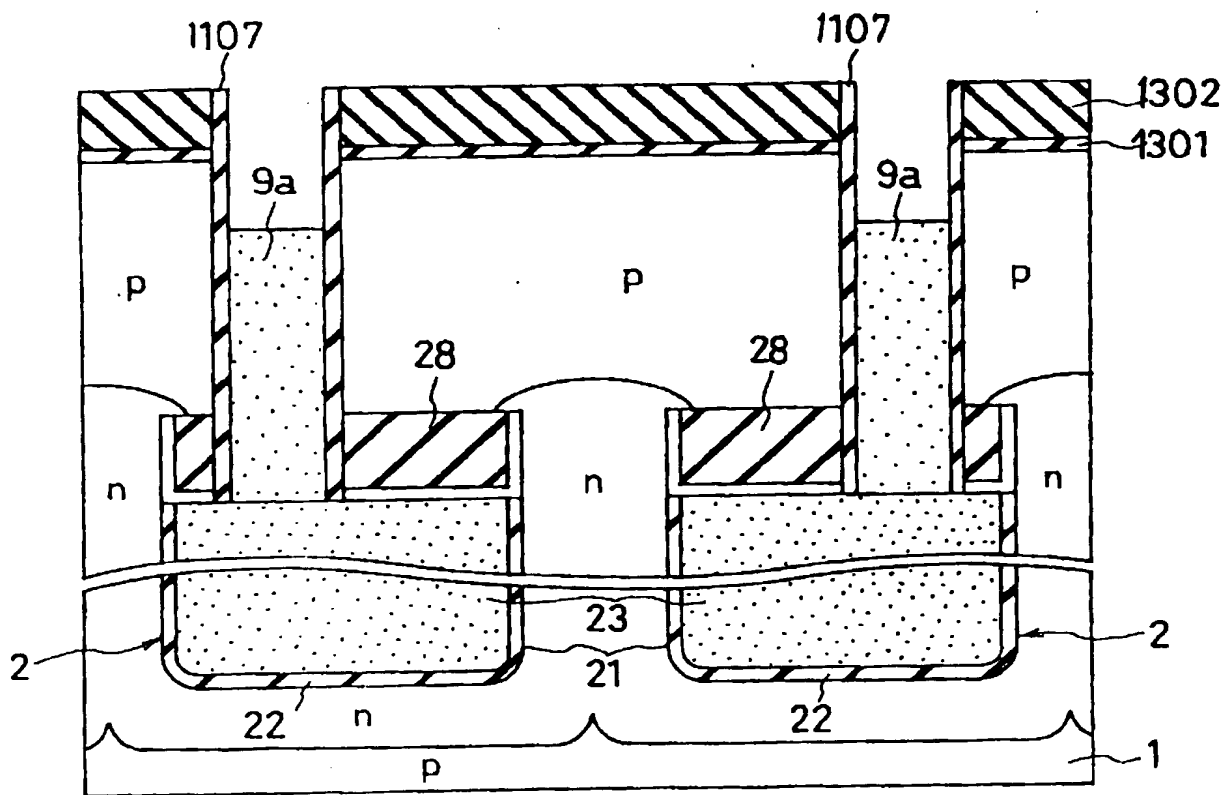


Figure 19B

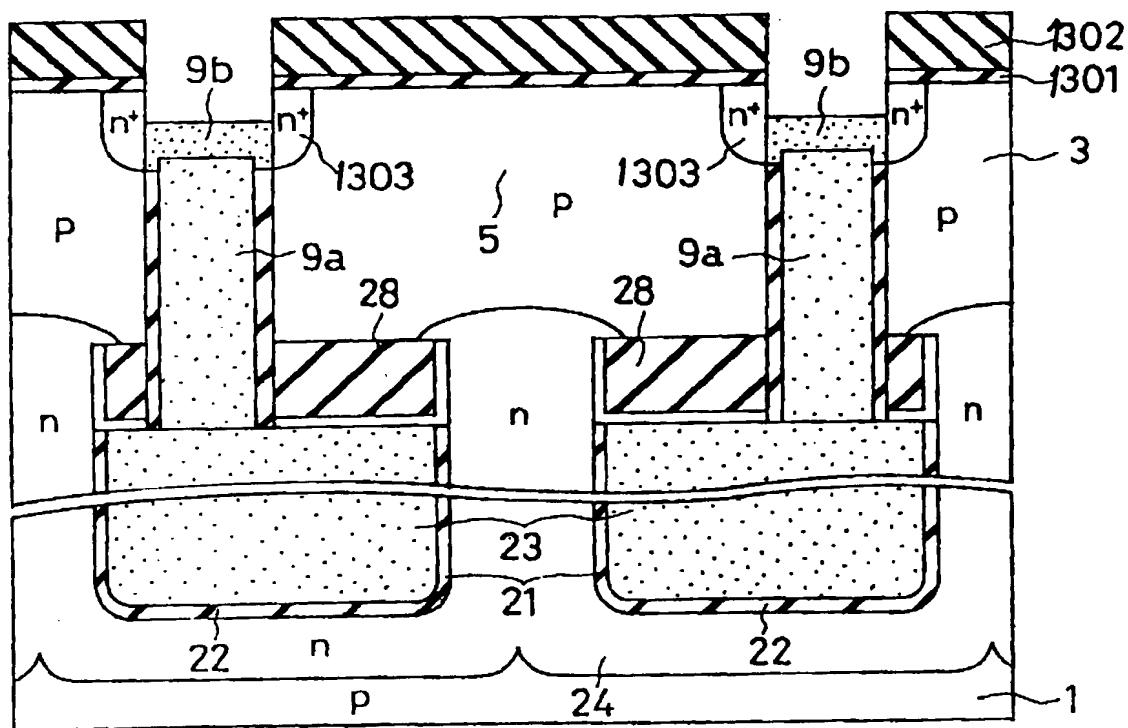


Figure 19C

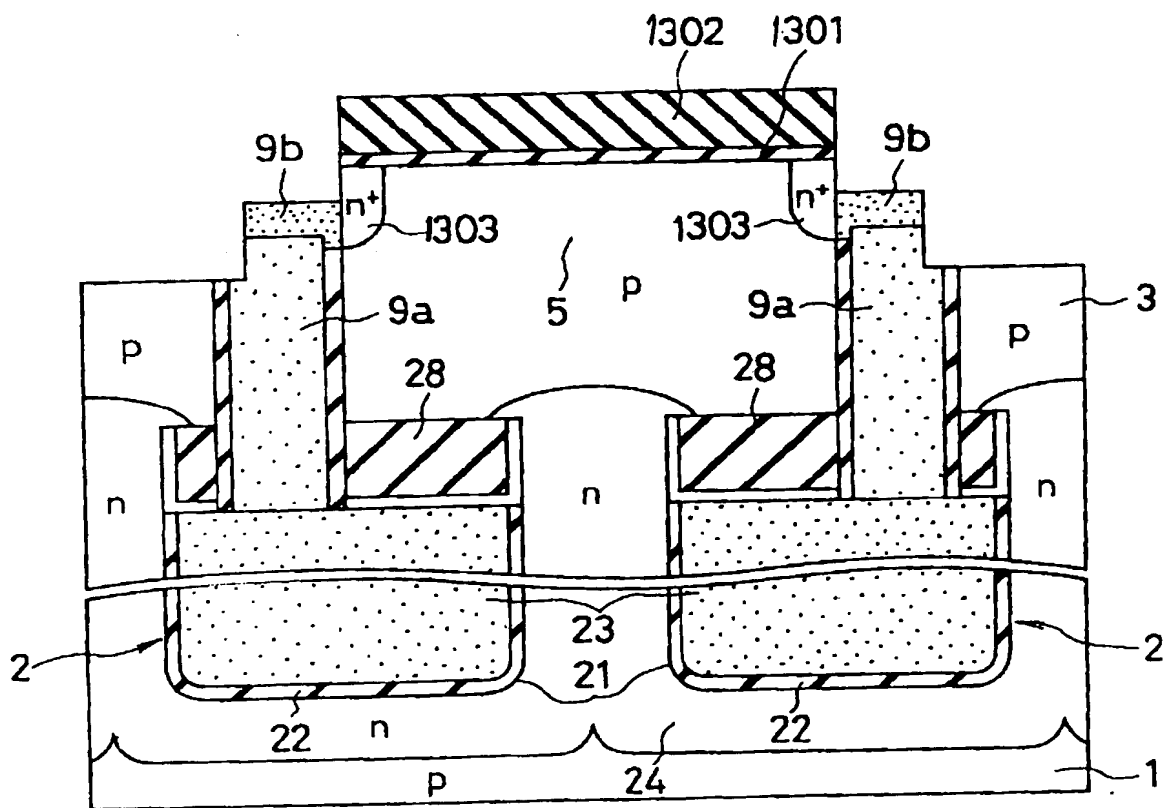


Figure 19D

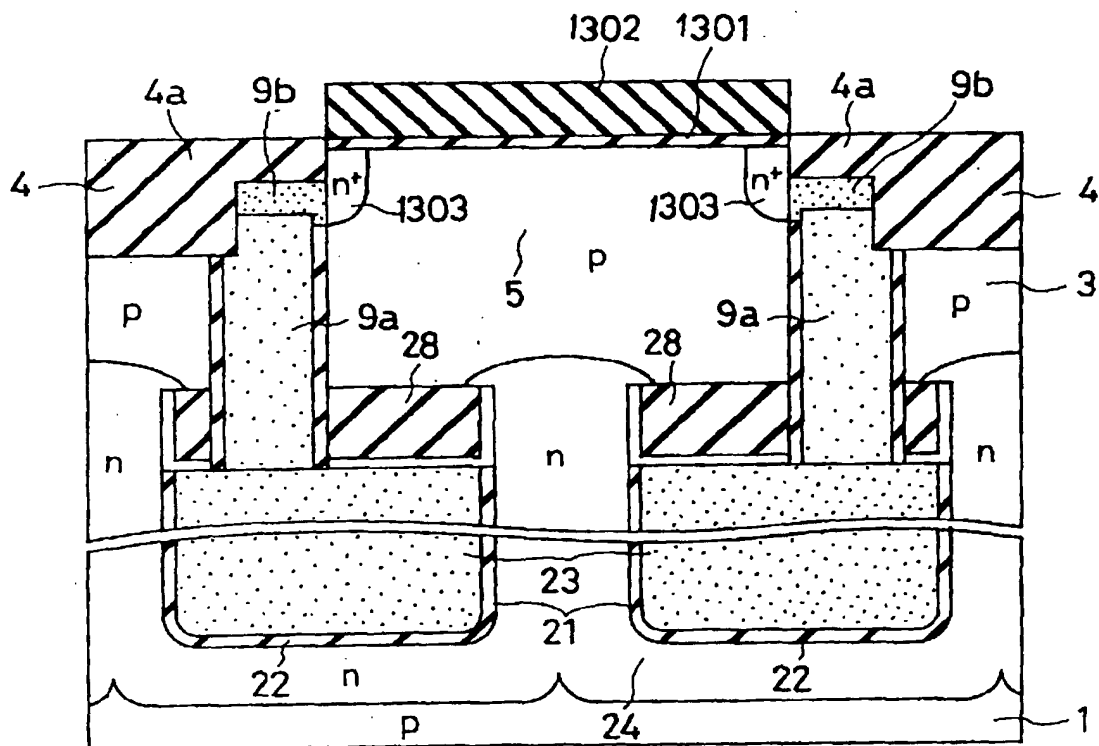


Figure 19E

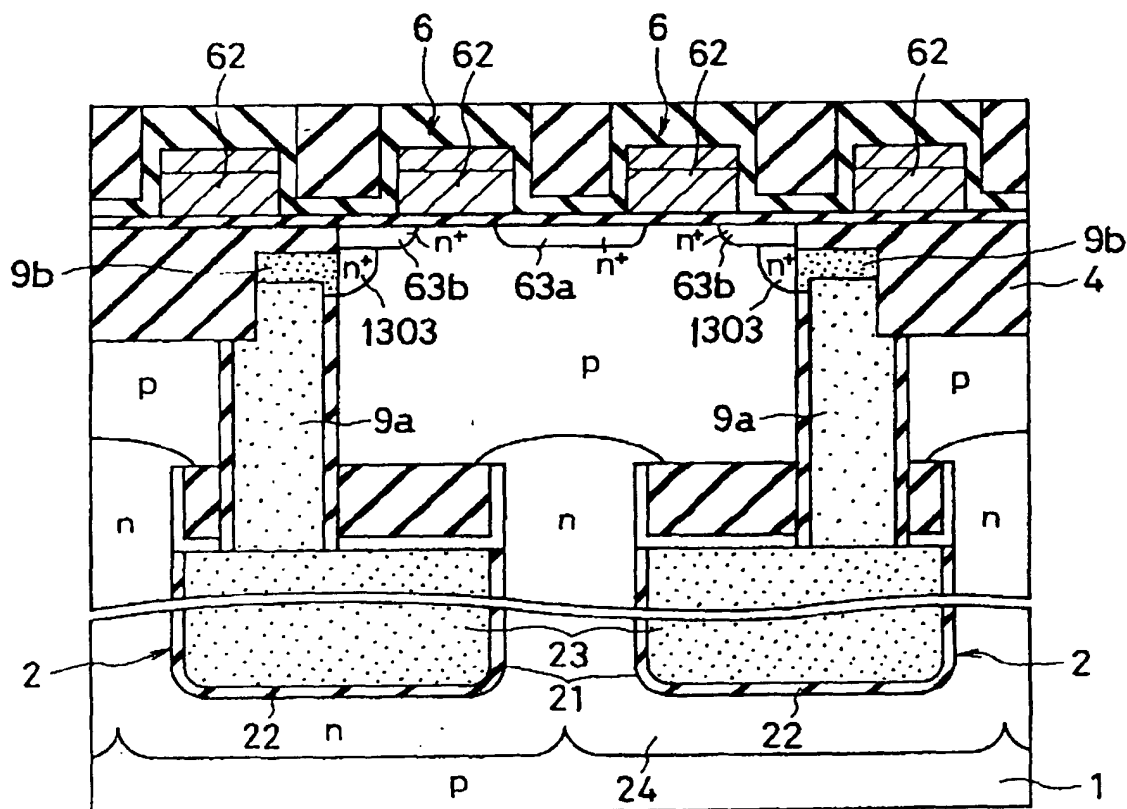


Figure 19F

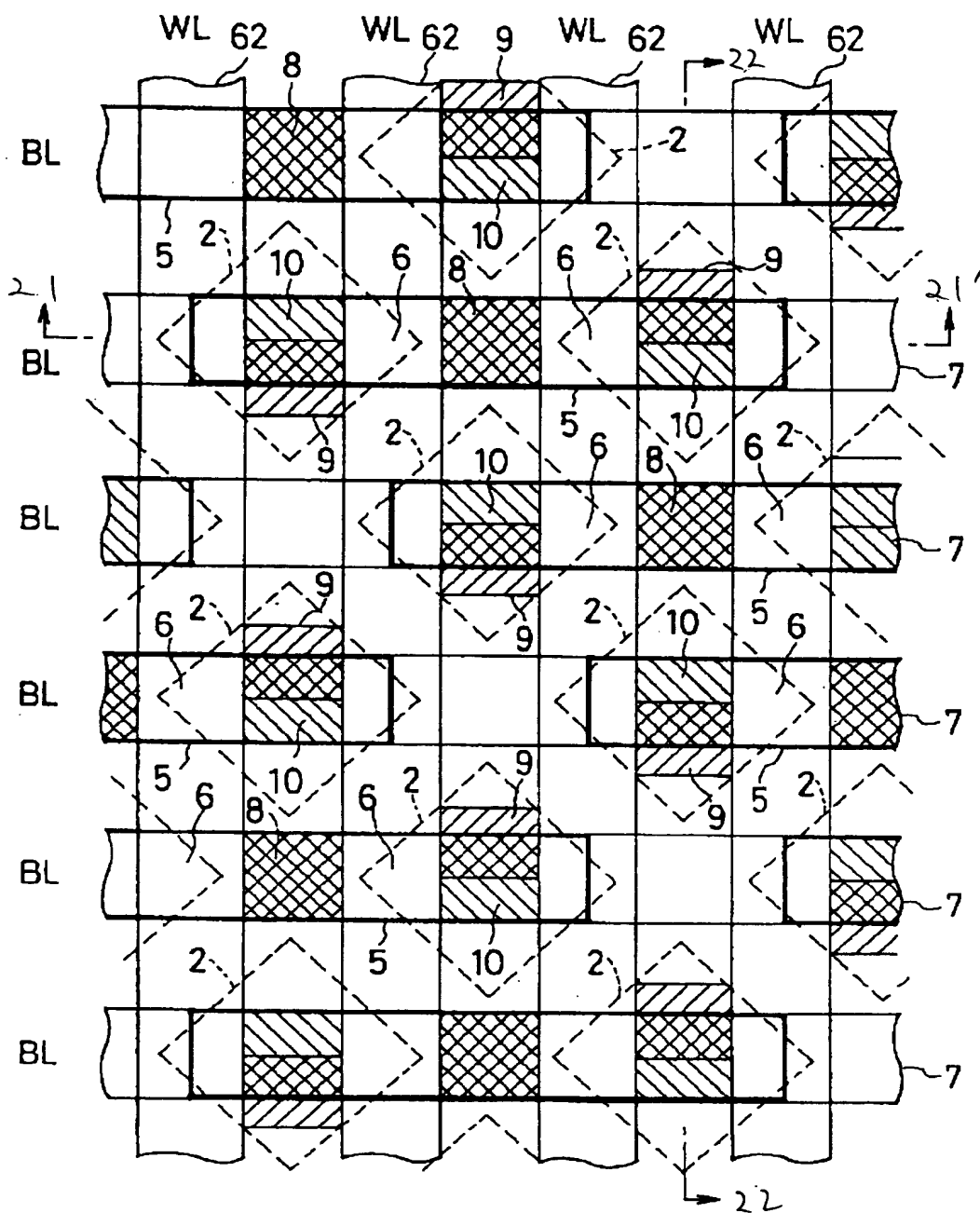


Figure 20

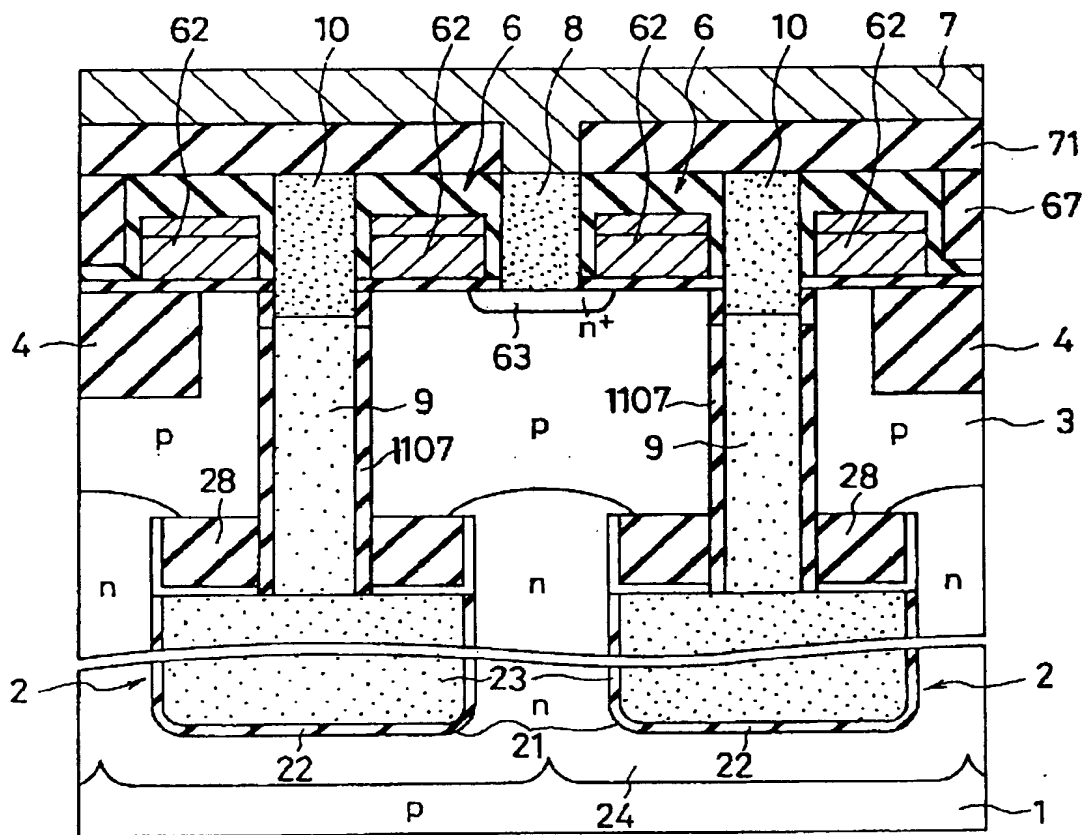


Figure 21

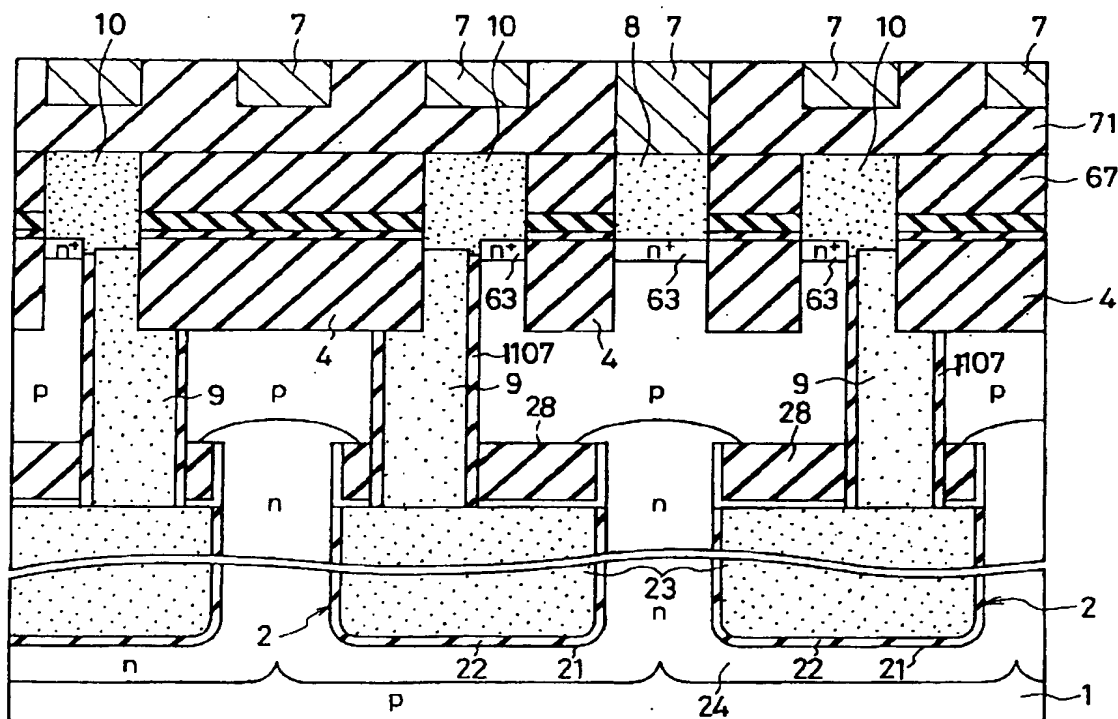
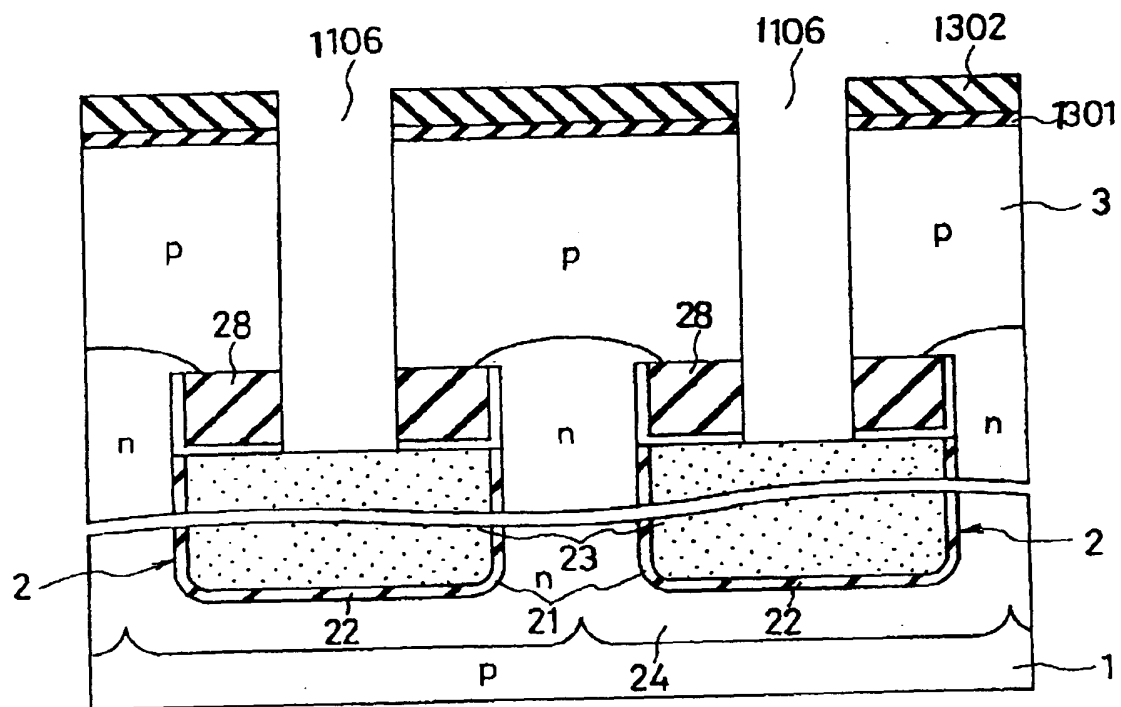


Figure 22



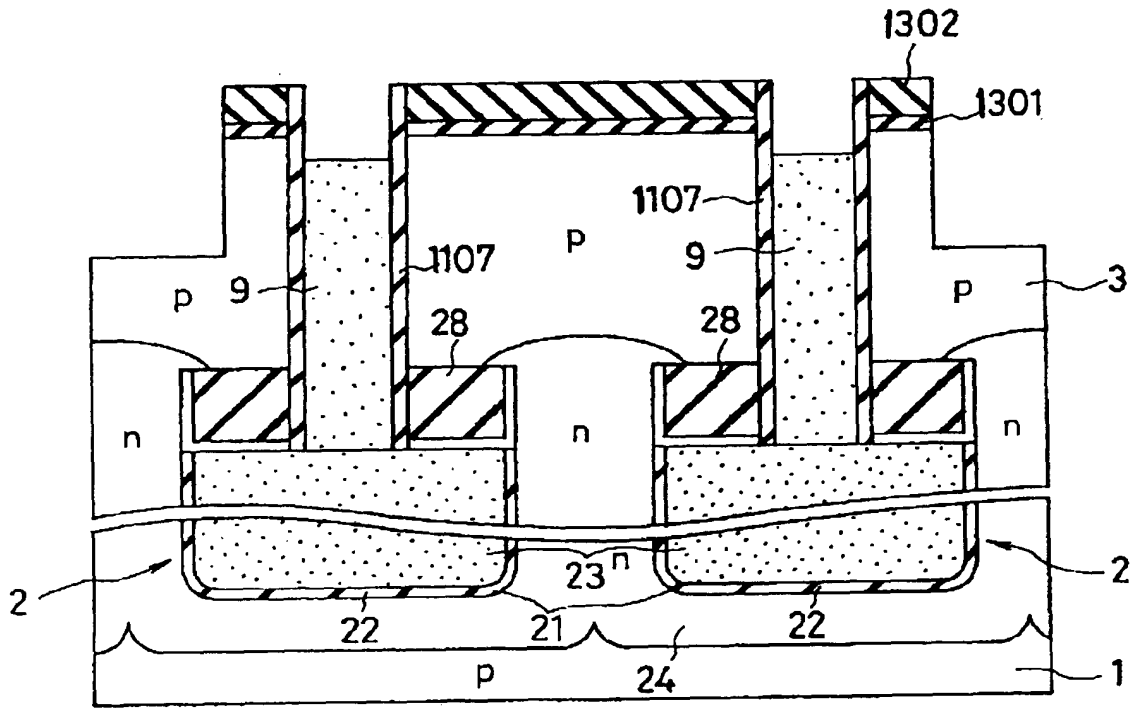


Figure 23C

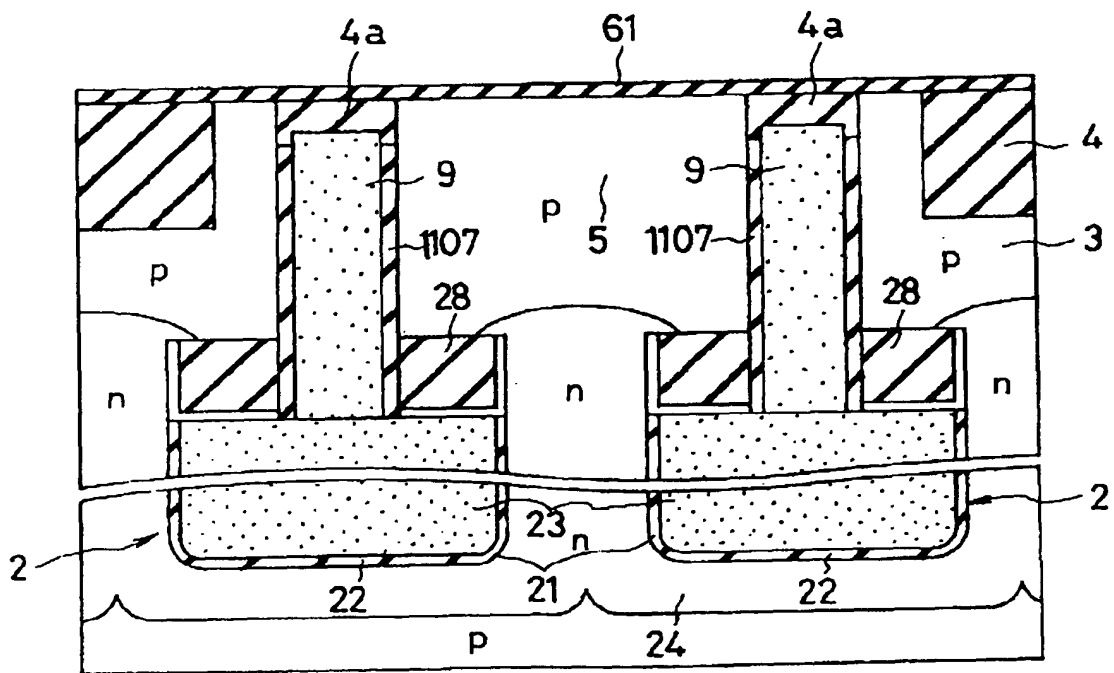


Figure 23D

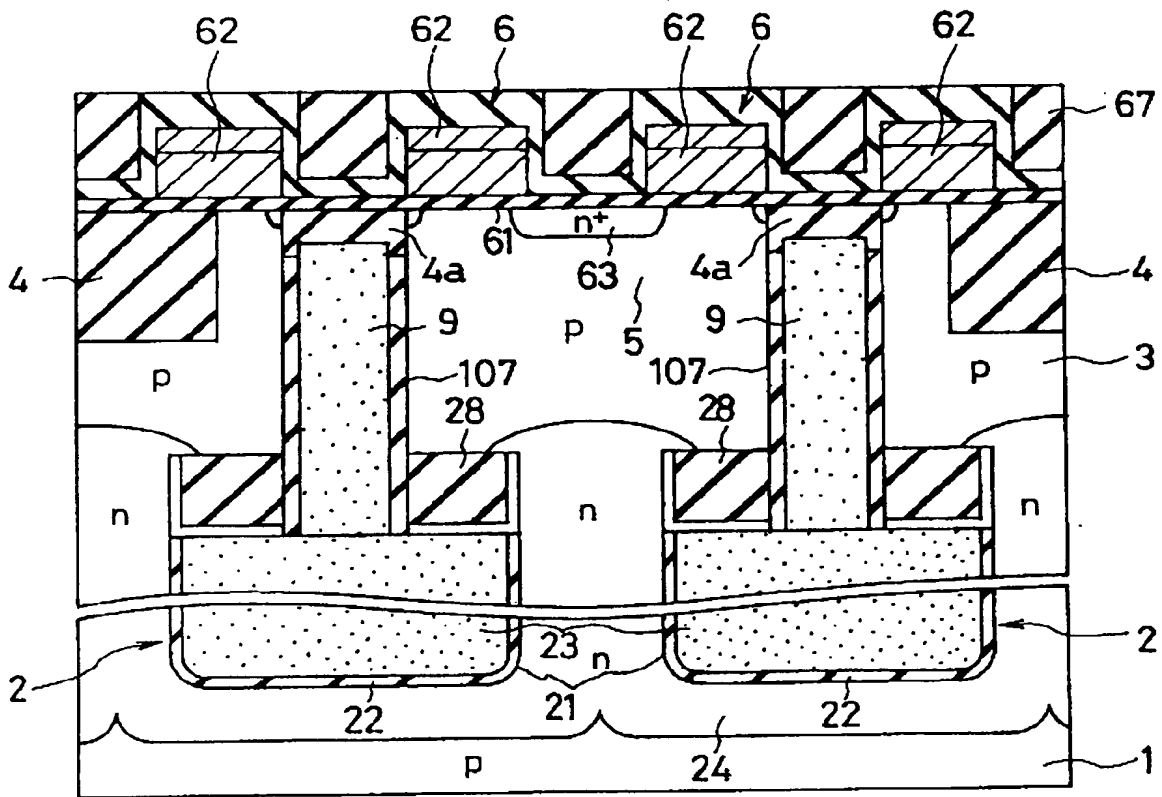


Figure 23E

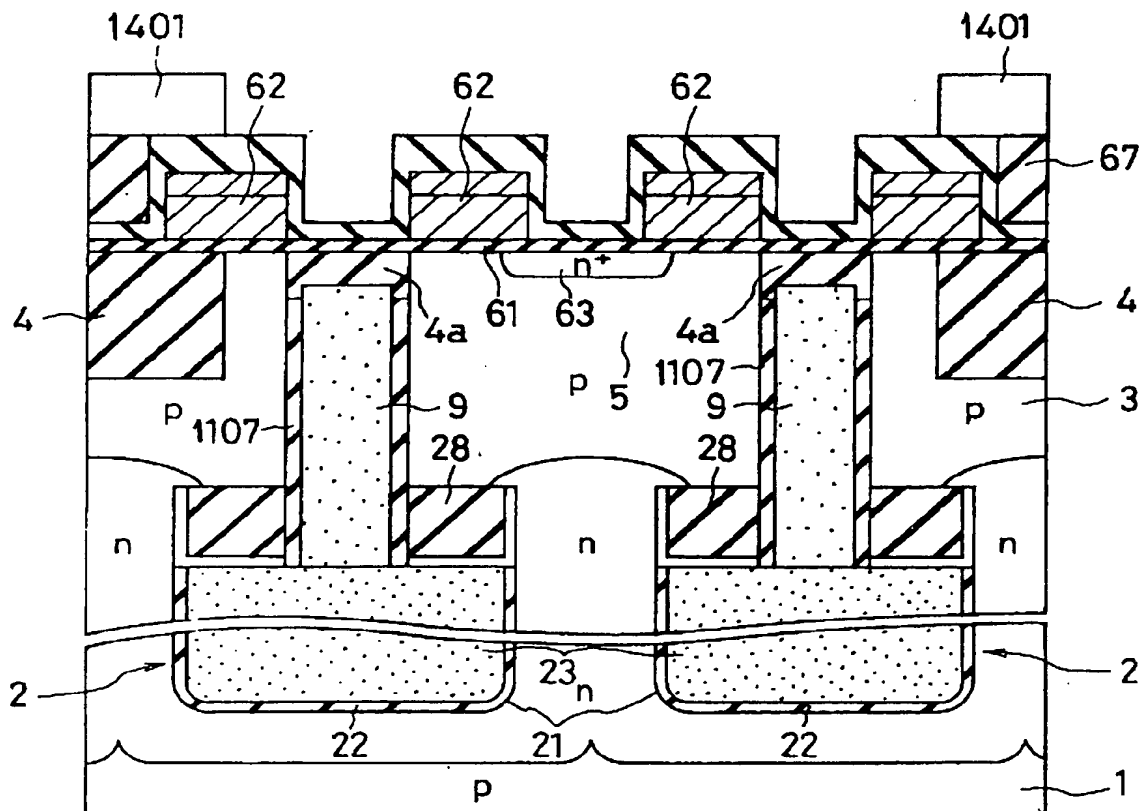


Figure 23F

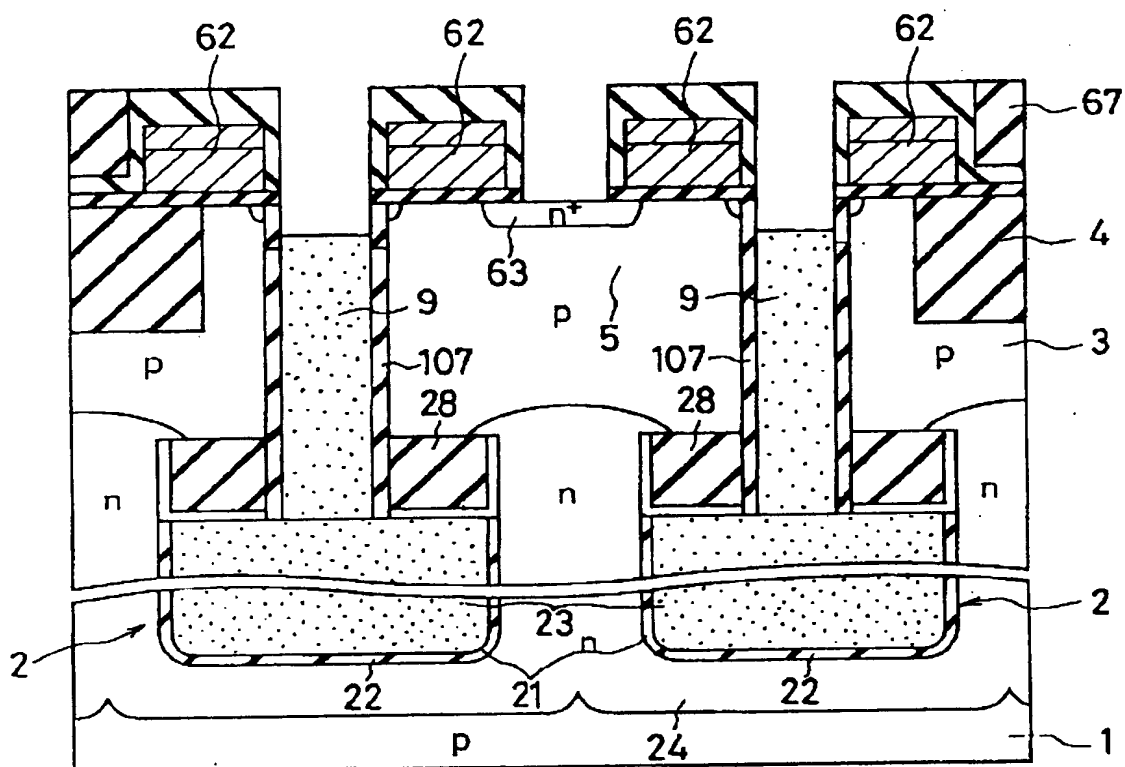


Figure 23G

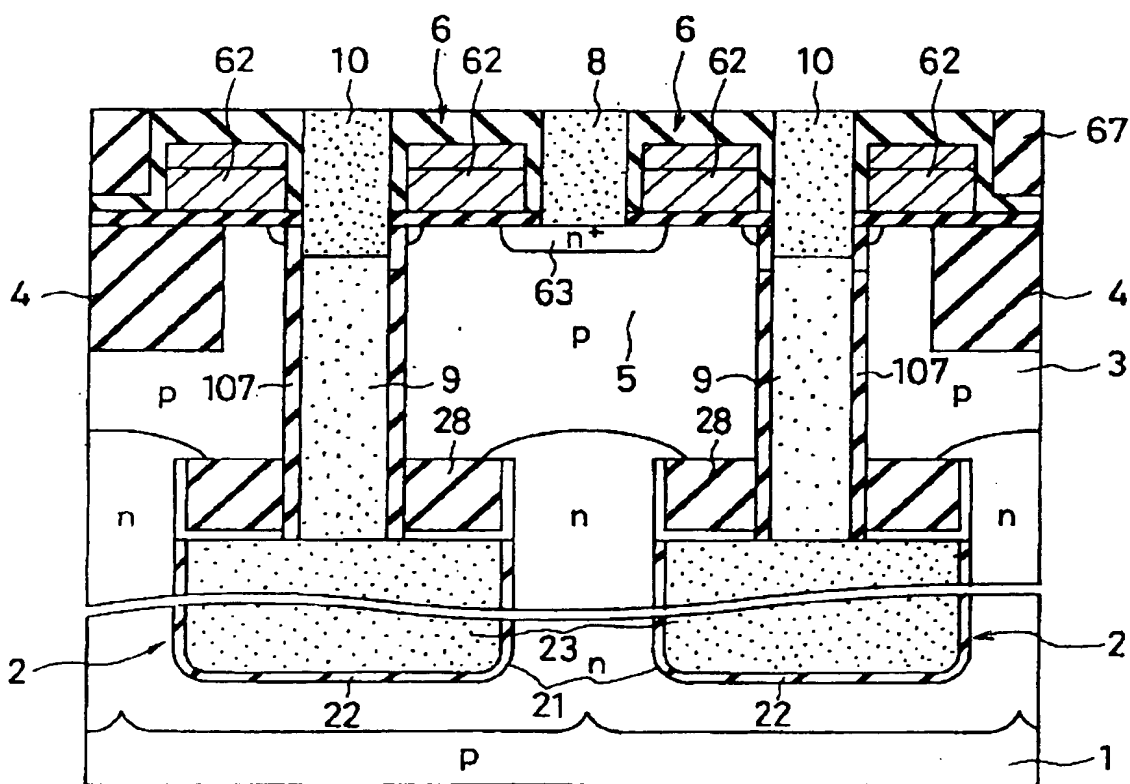


Figure 23H

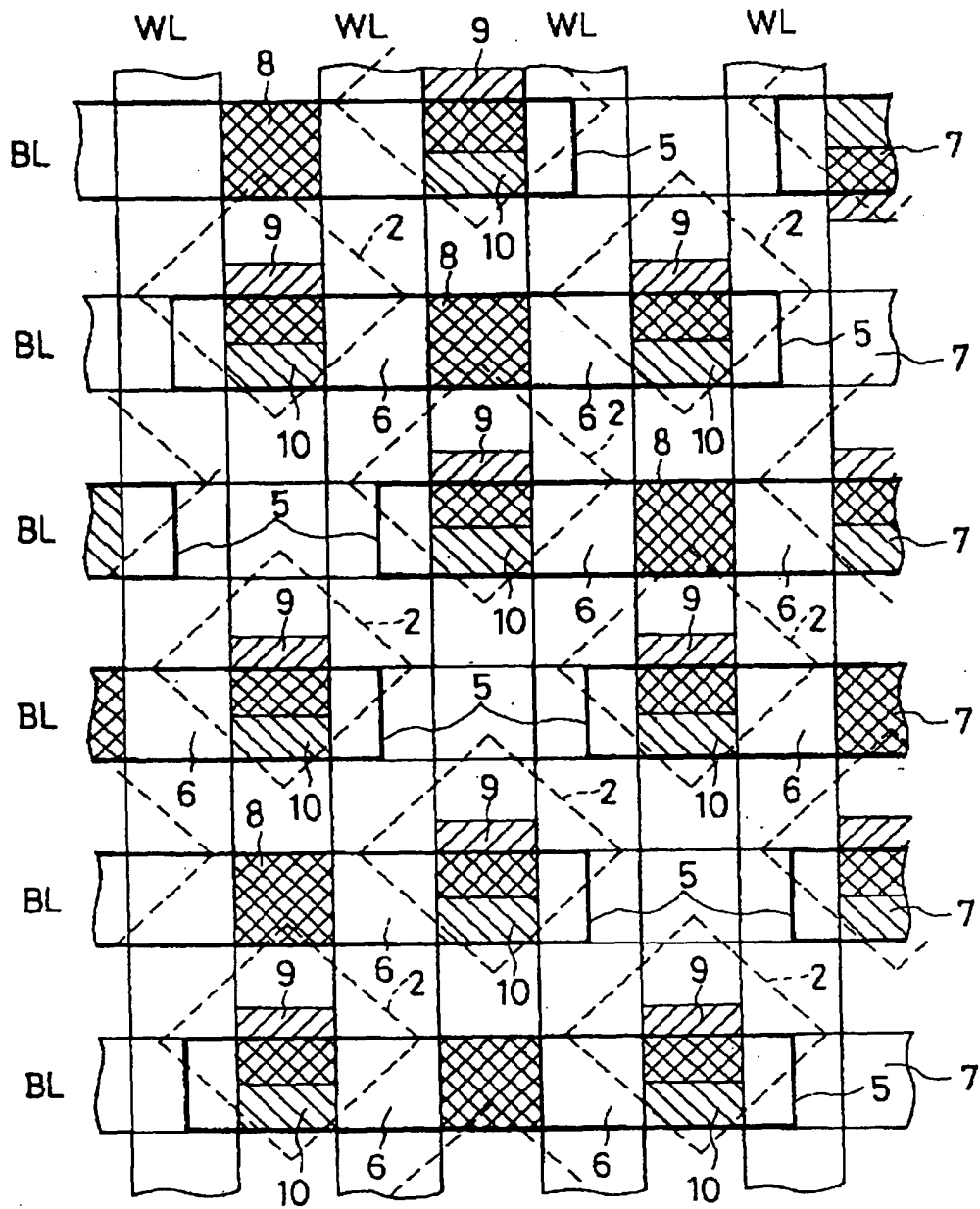


Figure 24

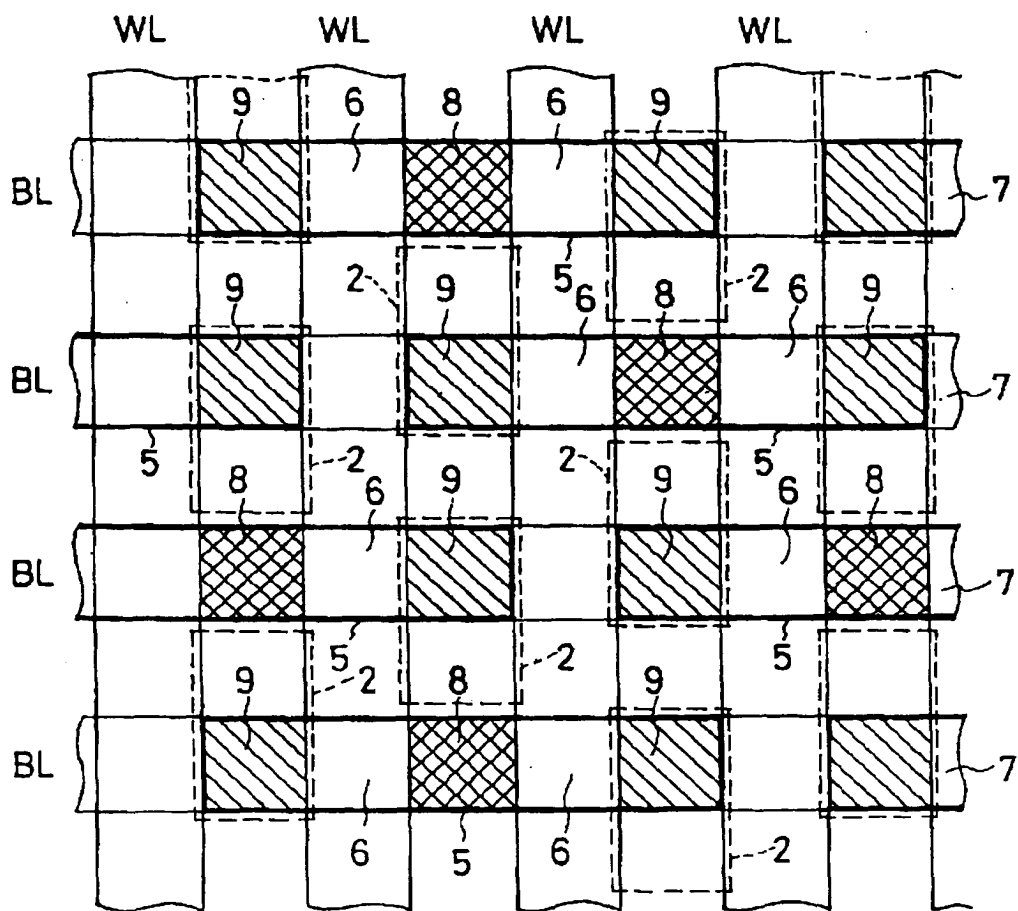


Figure 25

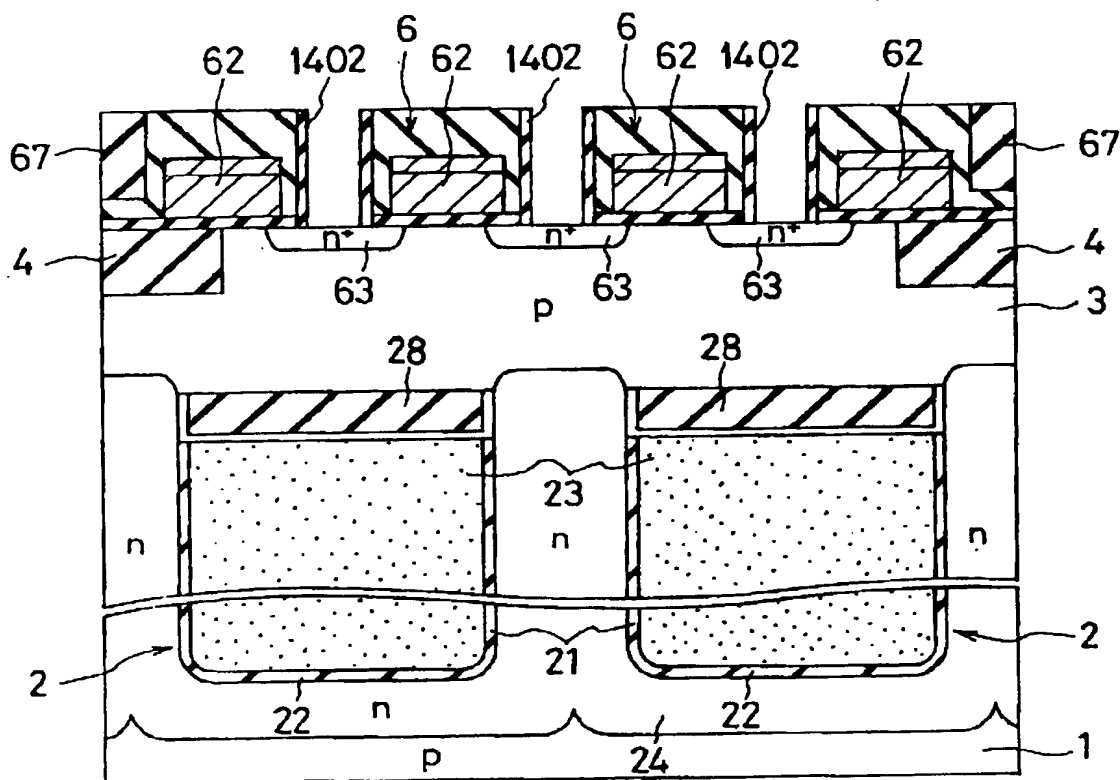


Figure 26A

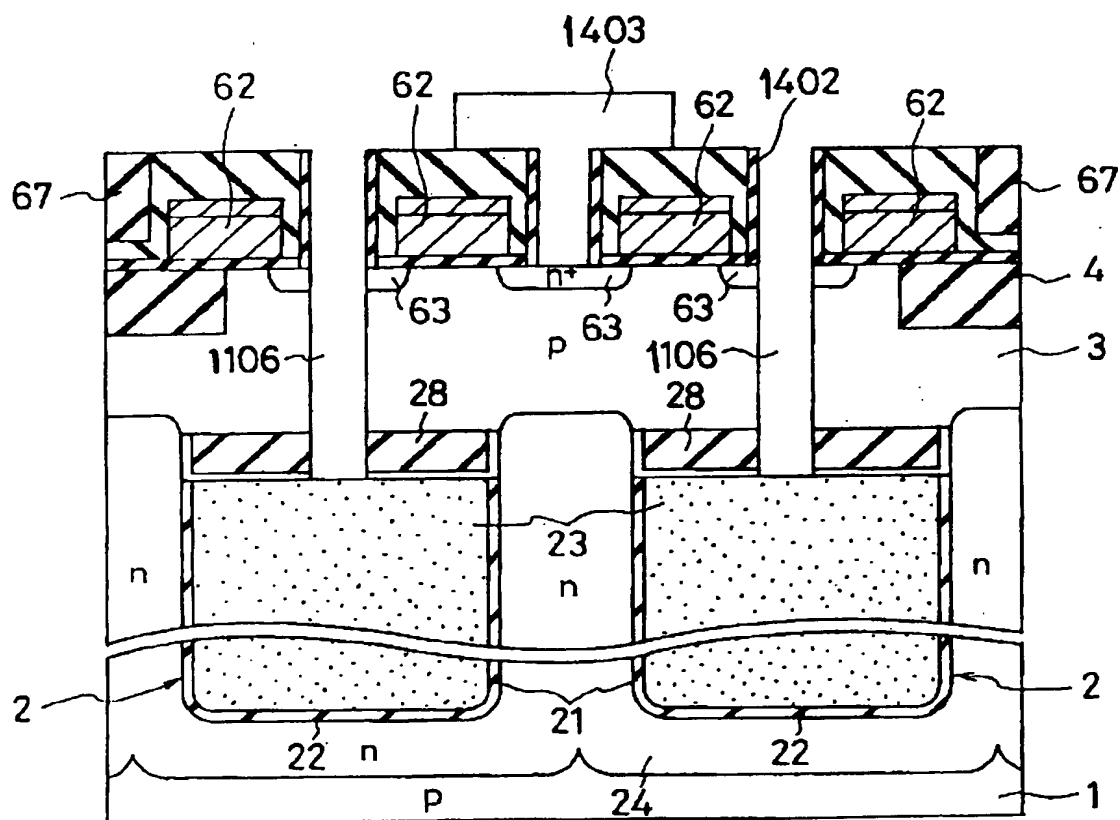


Figure 26B

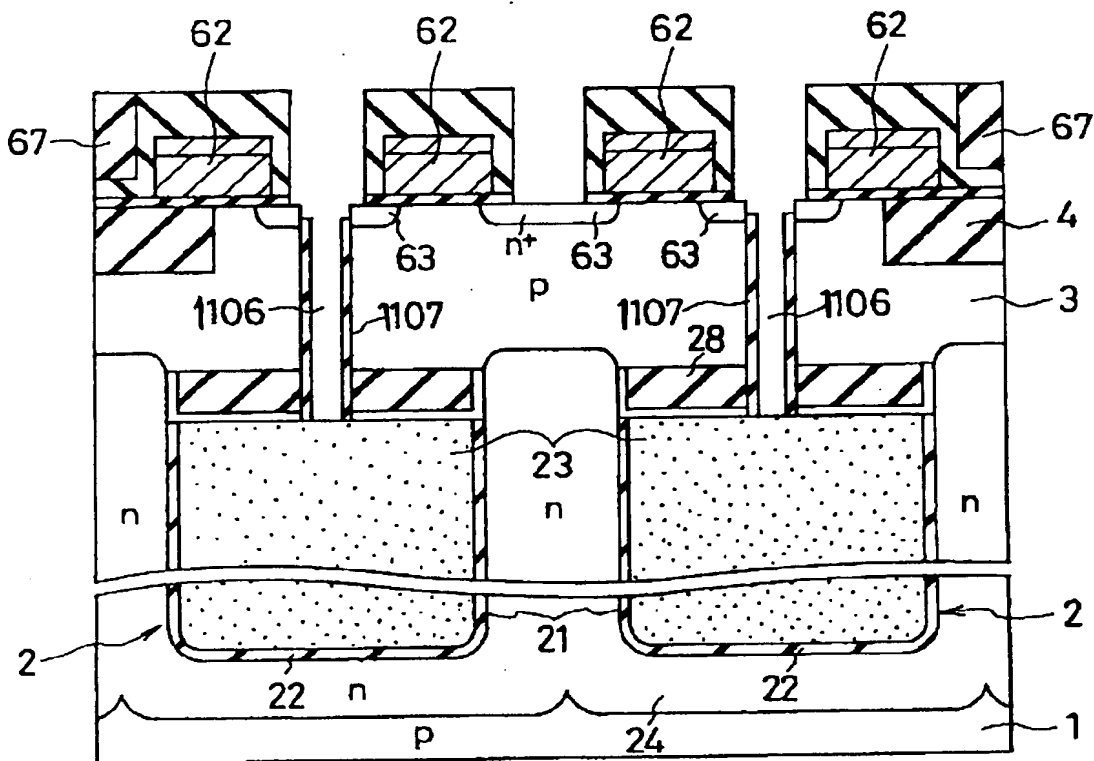


Figure 26C

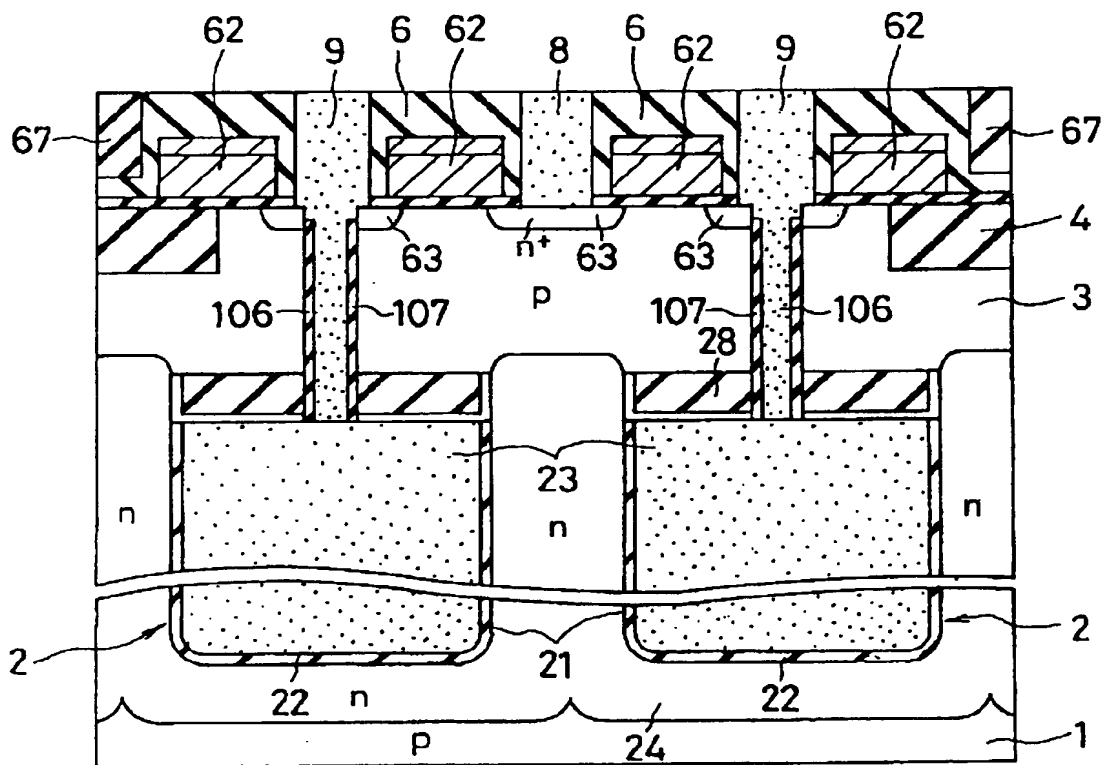


Figure 26D

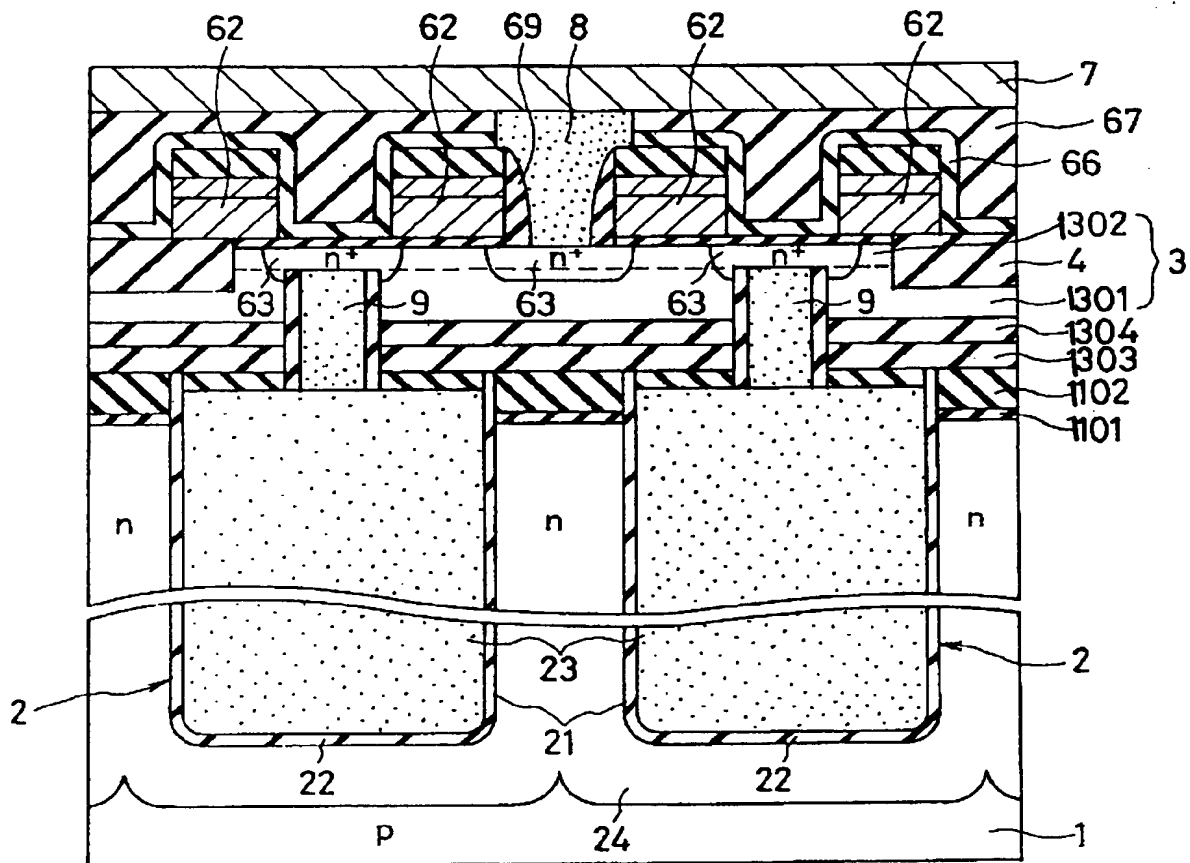


Figure 27

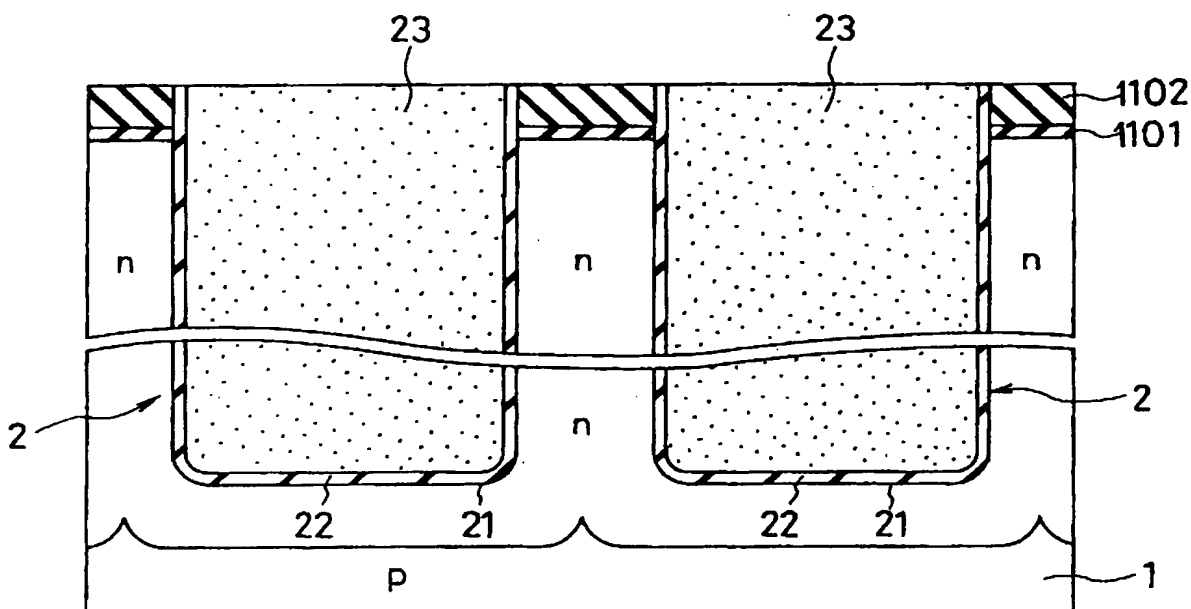


Figure 28A

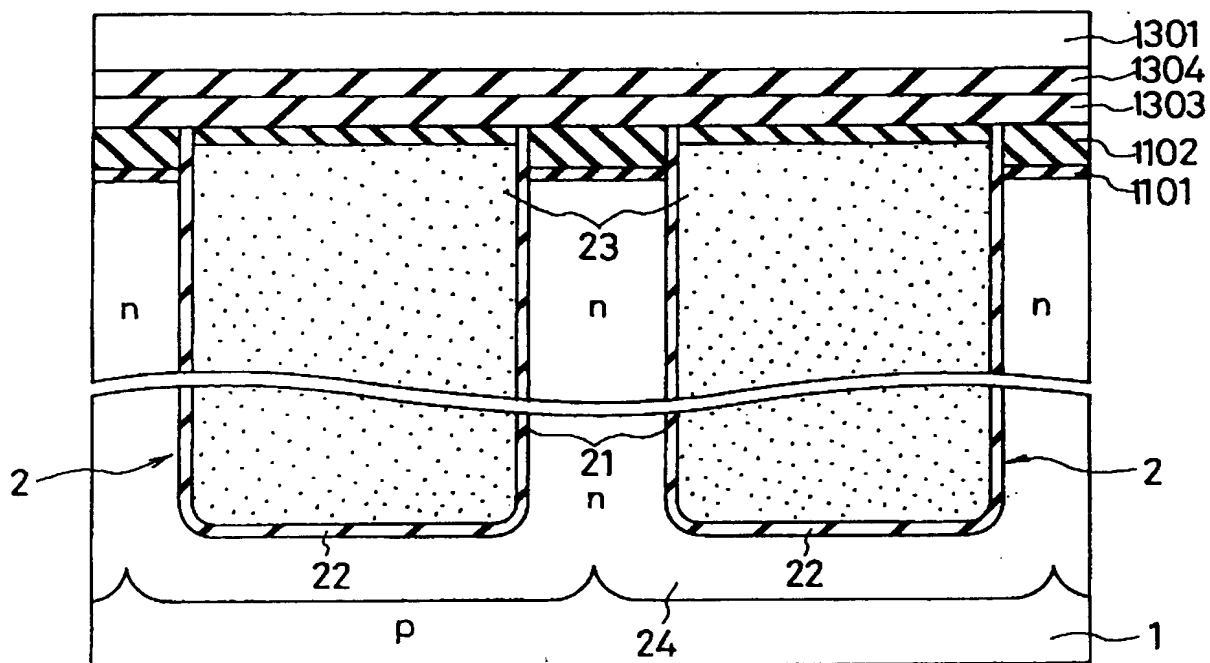


Figure 28B

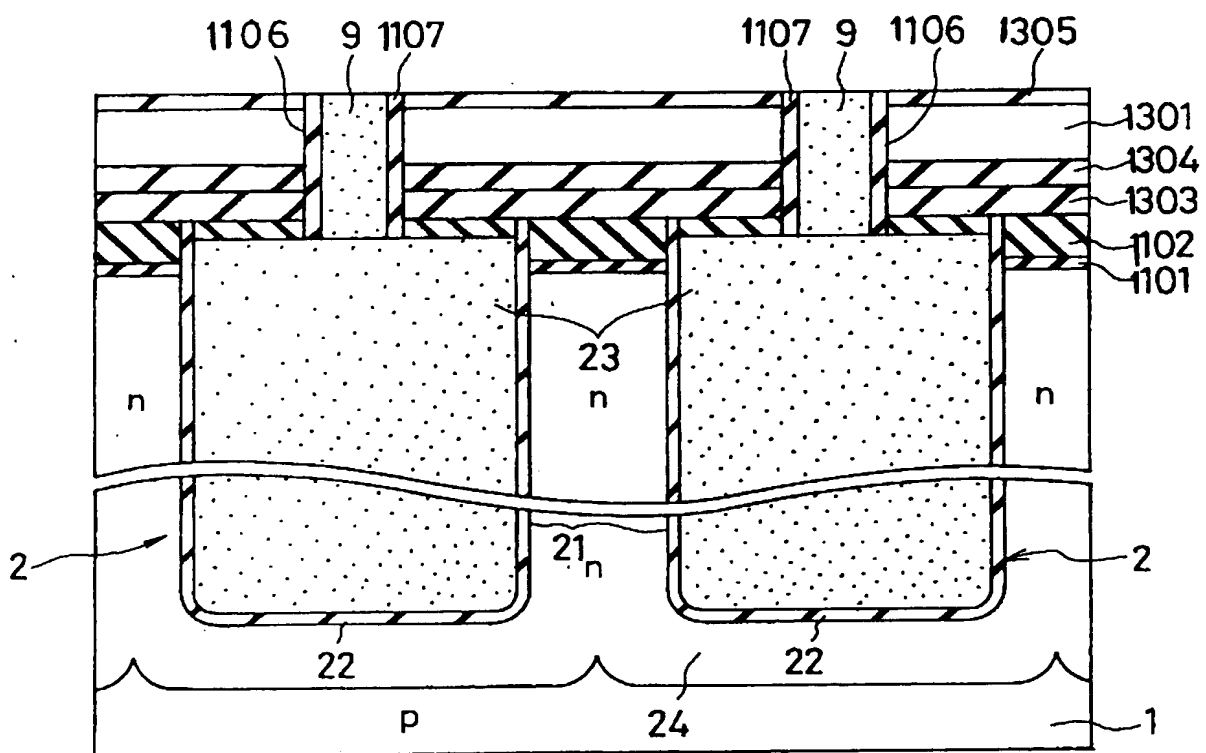
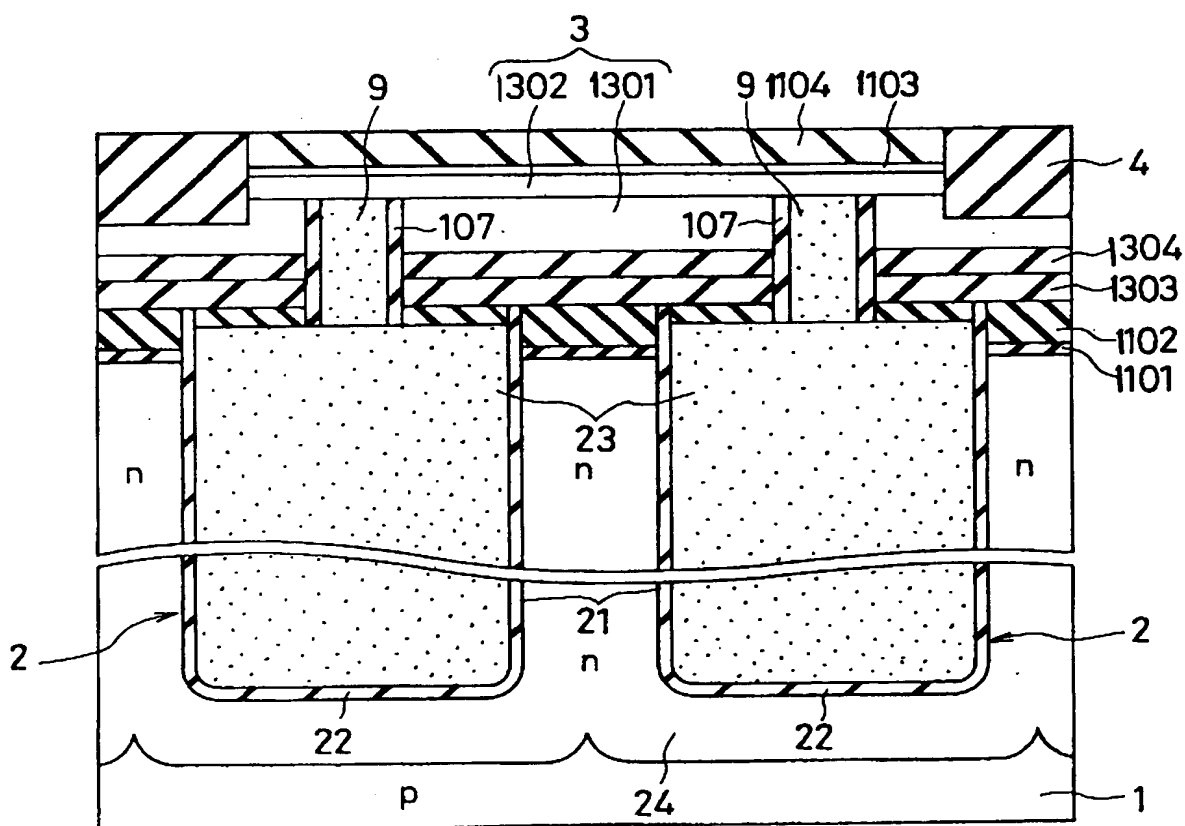
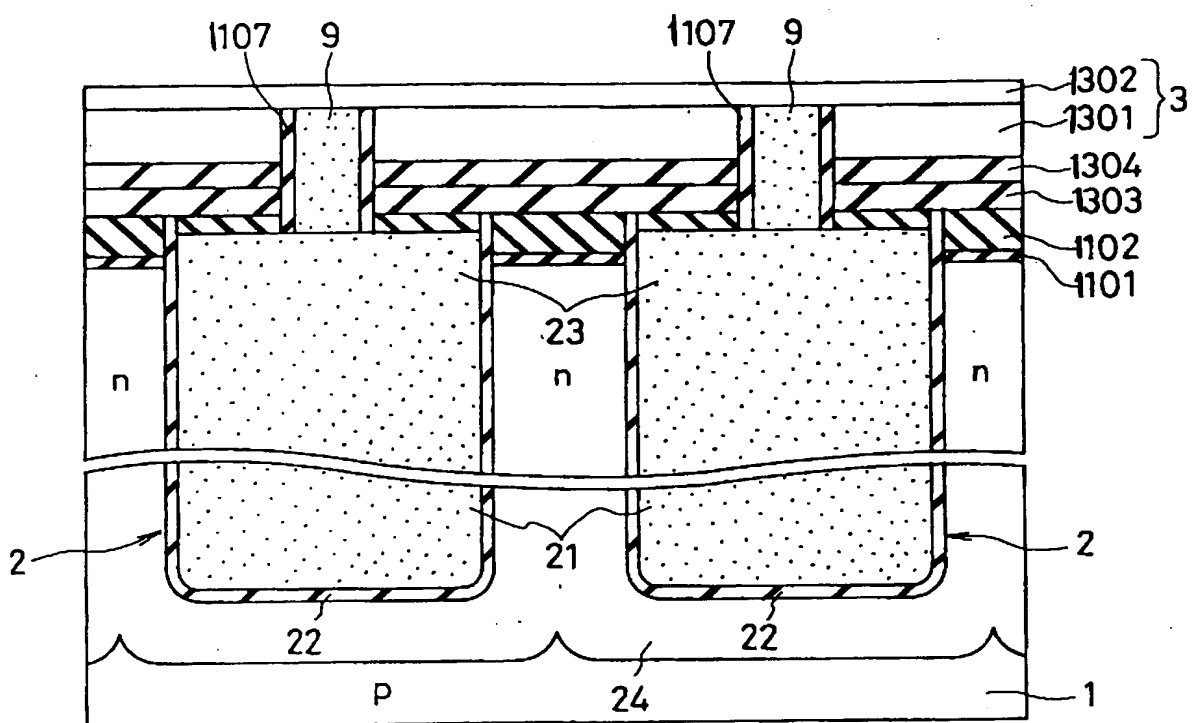


Figure 28C



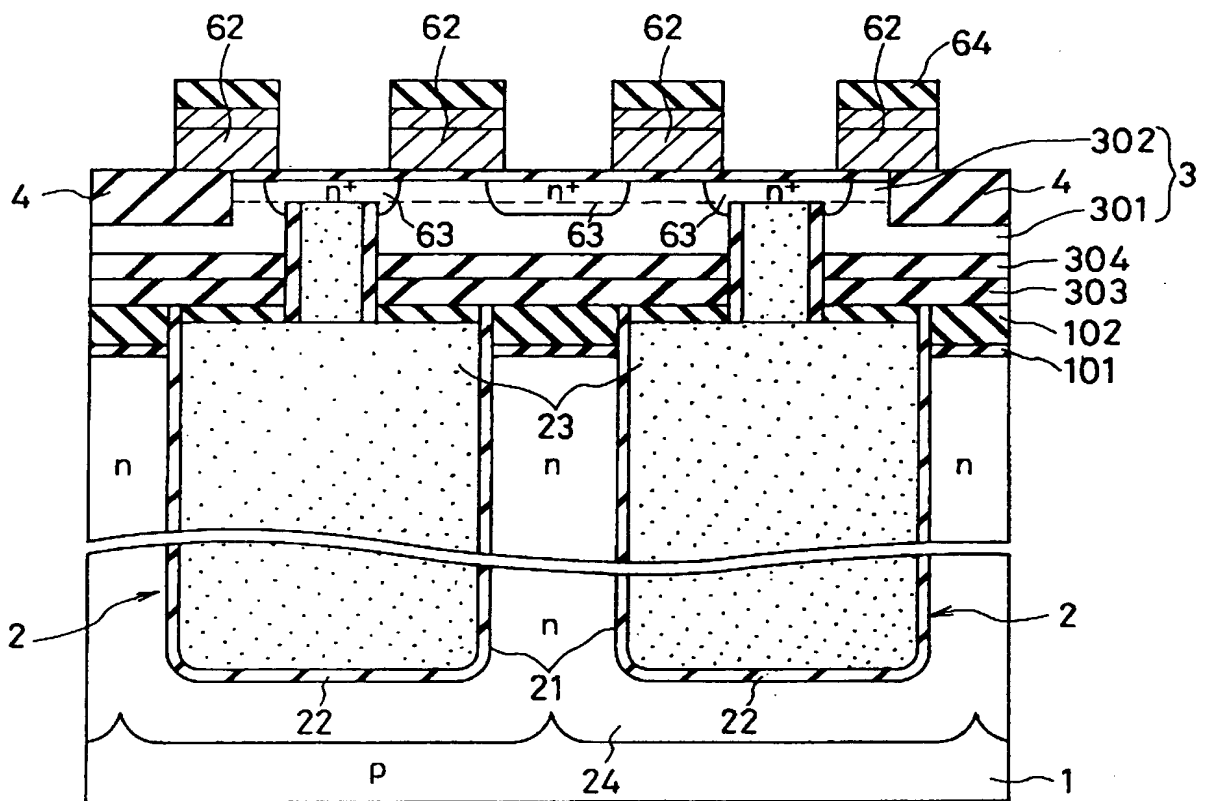


Figure 28F

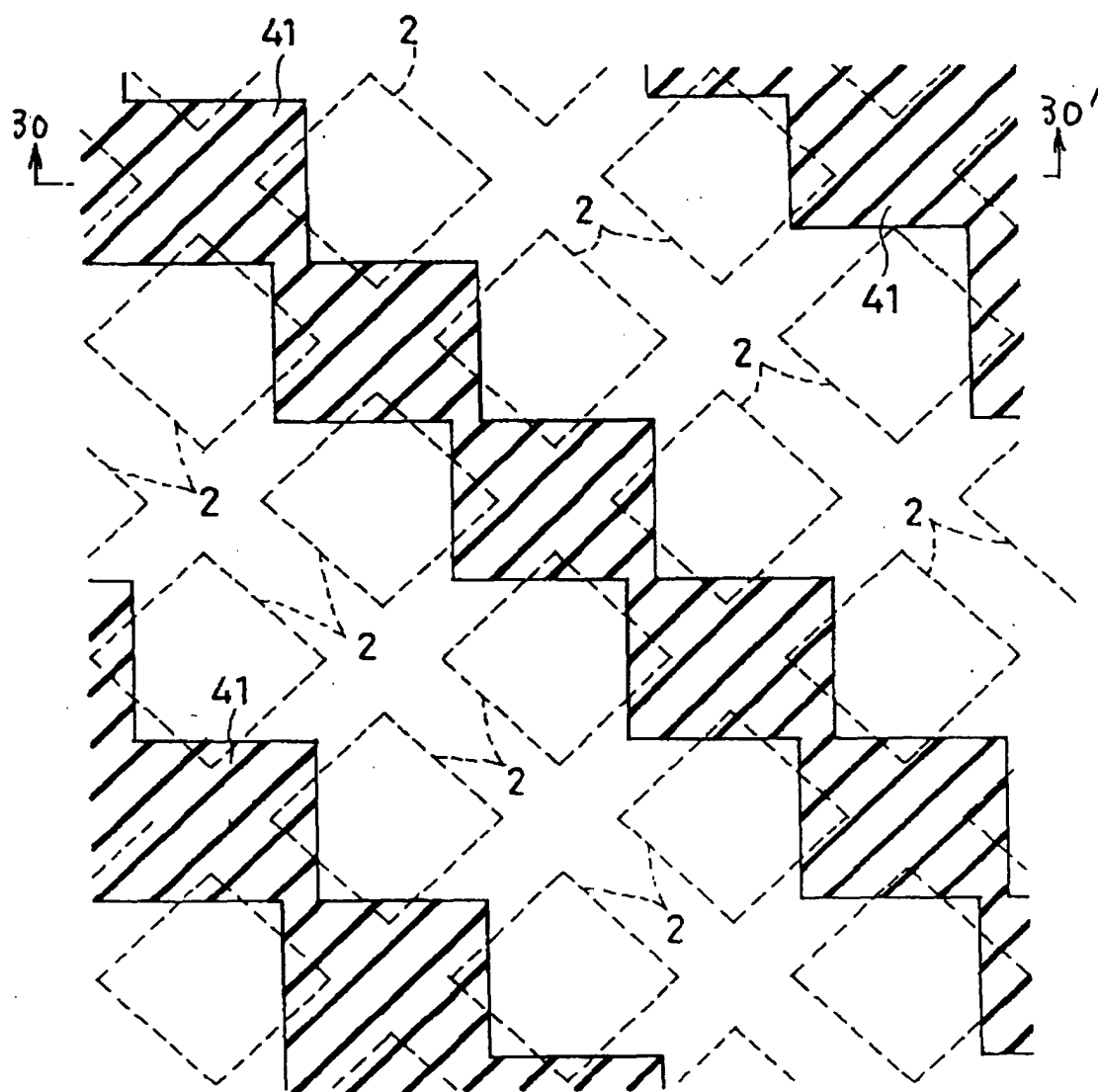


Figure 29

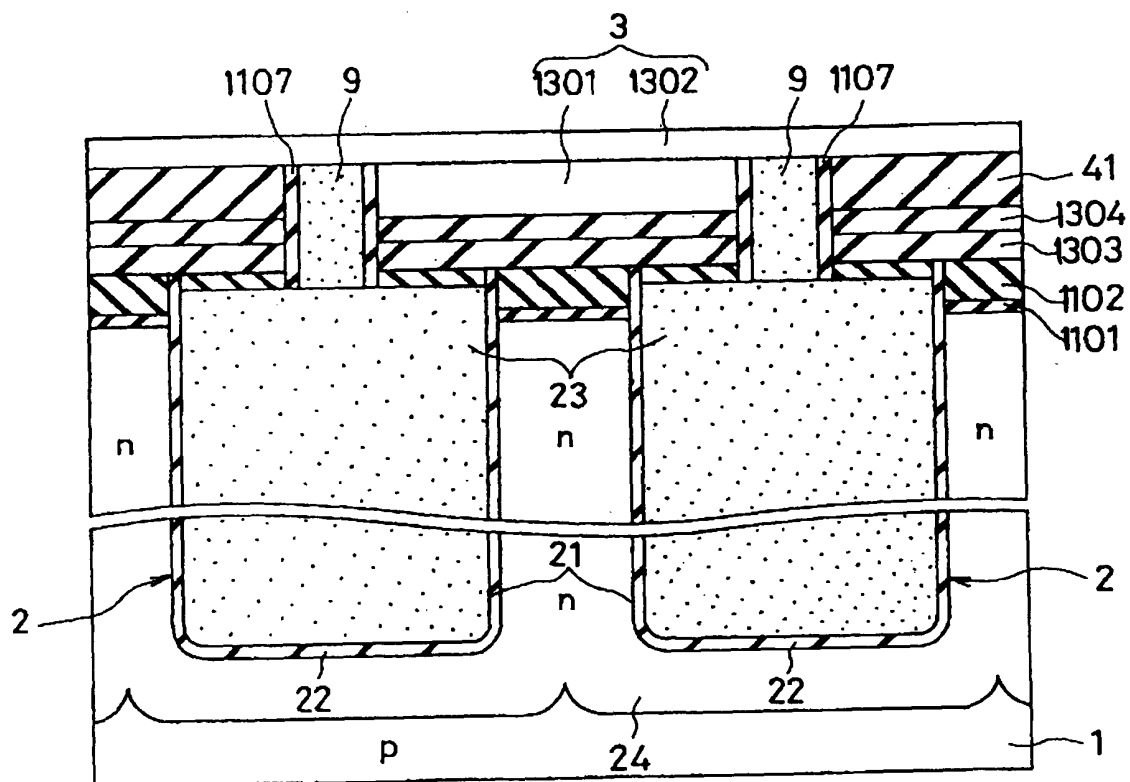


Figure 30

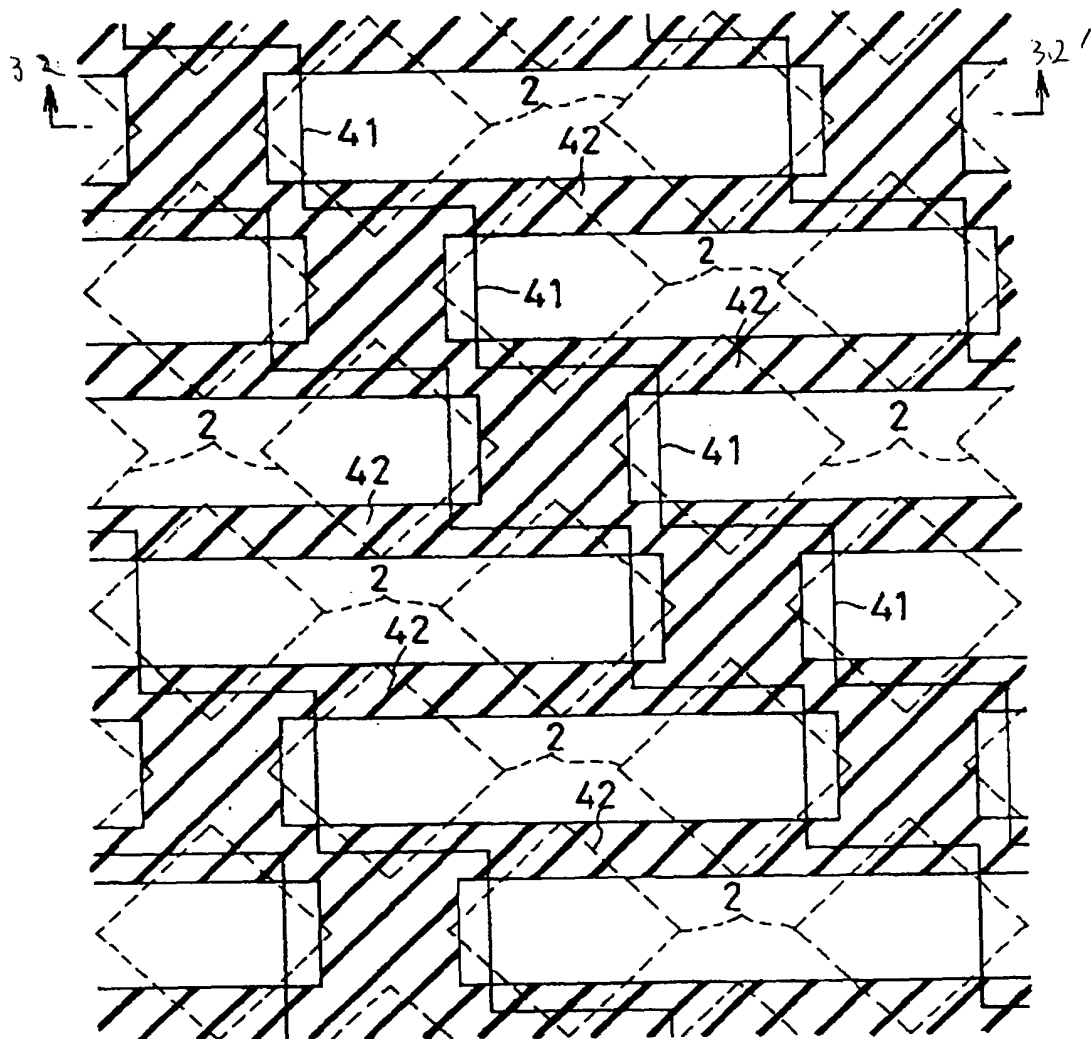


Figure 31

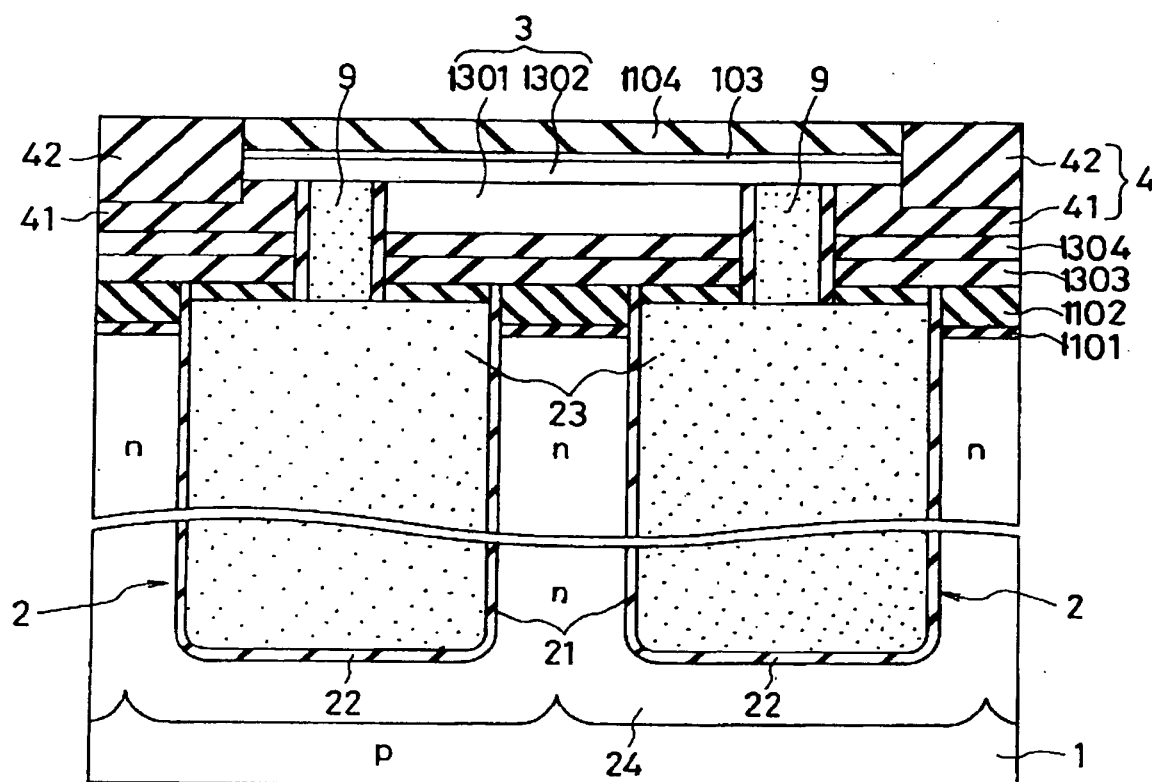


Figure 32

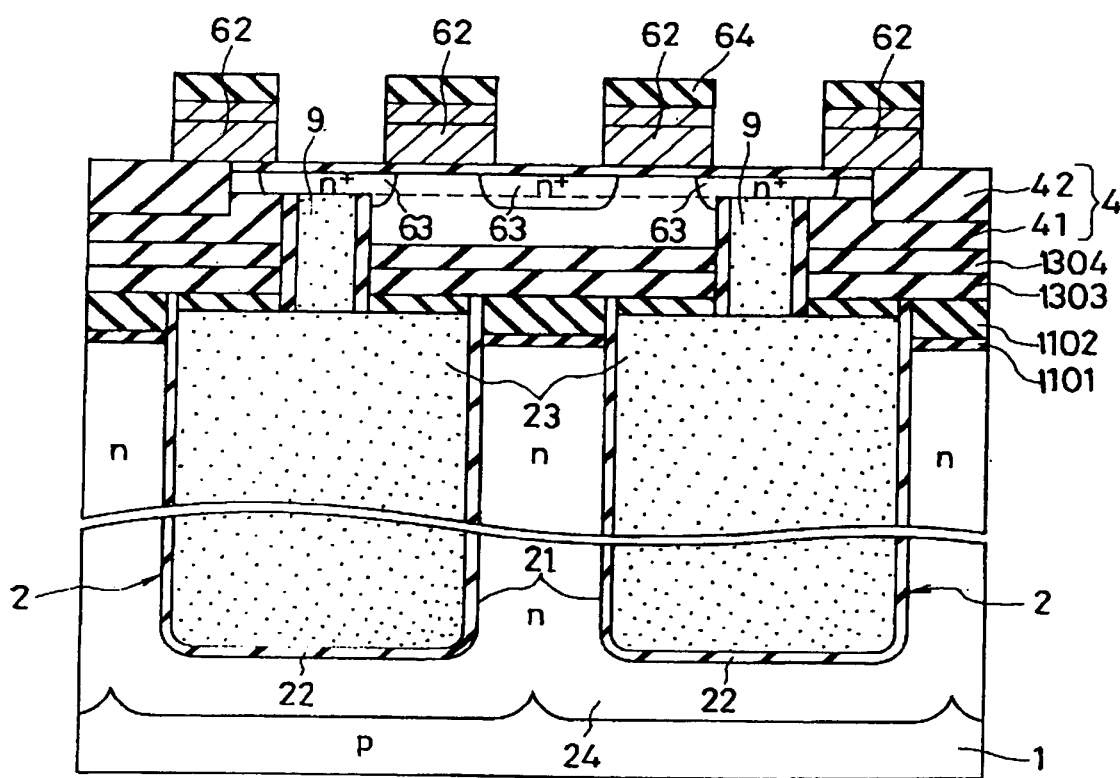


Figure 33